

# **EXHIBIT B**

*Cisco Systems, Inc. v. Arista Networks, Inc.*  
**Cisco's Sixth Supplemental Response to Interrogatory No. 16 and Response to Interrogatory No. 19**  
**January 12, 2016**

**AMENDED EXHIBIT F**

| <b>Command Expression</b>         | <b>Author/Originator Information</b> | <b>Earliest Known Document</b>                                                                   | <b>Date of Earliest Known Document</b> | <b>First Operating System</b> | <b>First Distribution Date</b> |
|-----------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------|--------------------------------|
| aaa accounting                    | Cisco / David Carrel                 | Source Code<br>(aaa_authentication.cvs_103_alaska.cfg_authentication.h.ann)                      | November 15, 1994                      | Cisco IOS 10.3                | April 13, 1995                 |
| aaa accounting dot1x              | Cisco / Michael Vowles               | Source code<br>(aaa_accounting_dot1x.clearcase.main.haw_t.haw_t_pi5_itd1.1.cfg_accounting.h.ann) | March 29, 2006                         | Cisco IOS 12.4(11)T           | November 2006                  |
| aaa authentication login          | Cisco / David Carrel                 | Source Code<br>(aaa_authentication.cvs_103_alaska.cfg_authentication.h.ann)                      | November 15, 1994                      | Cisco IOS 10.3                | April 13, 1995                 |
| aaa authorization config-commands | Cisco / Jan Vilhuber                 | BugID CSCdi36536 (CSI-CLI-01542001-02)                                                           | December 10, 1996                      | Cisco IOS 11.2                | October 1996                   |
| aaa authorization console         | Cisco / Jihad Sabra                  | BugID CSCdi82030 (CSI-CLI-01339859, CSI-CLI091339802-04)                                         | July 15, 1999                          | Cisco IOS 12.0(6)T            | September 20, 1999             |
| aaa group server radius           | Cisco / Jan Vilhuber                 | ENG-23793 rev. A (CSI-CLI-00609048-53, 00609252-258)                                             | May 5, 1998                            | Cisco IOS 12.0(5)T            | July 27, 1999                  |
| aaa group server tacacs+          | Cisco / Jan Vilhuber                 | ENG-23793 rev. A (CSI-CLI-00609048-53, 00609252-258)                                             | May 5, 1998                            | Cisco IOS 12.0(5)T            | July 27, 1999                  |
| address-family                    | Cisco / Dan Tappan                   | ENG-29568 (CSI-CLI-00609199-208)                                                                 | March 1, 1998                          | Cisco IOS 12.0(5)T            | July 27, 1999                  |

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|--------------------------------------------------|-------------------------------|---------------------------------------------------------------------------|---------------------------------|------------------------|-------------------------|
| aggregate-address                                | Cisco / Paul Traina           | Source Code (aggregate-address.921.1.copyout.cfg_router_aggregate_addr.h) | December 2, 1993                | Cisco IOS 10           | 1993                    |
| area default-cost                                | Cisco / David Hampton         | Source Code (area_default-cost.921.1.copyout.cfg_router_area.h)           | March 9, 1992                   | Cisco IOS 10           | 1993                    |
| area default-cost (OSPFv3)                       | Cisco / Ilse Van Hoeck        | Email (CSI -CLI-00608702-03)                                              | June 25, 2002                   | NX-OS 4.0(1)           | April 21, 2008          |
| area nssa                                        | Cisco / Derek Yeung           | ENG-7864 (CSI-CLI-000608753-56)                                           | April 5, 1996                   | Cisco IOS 10           | 1993                    |
| area nssa (OSPFv3)                               | Cisco / Hasmit Grover         | Source Code (ospfv3.cmds.ann)                                             | November 7, 2005                | NX-OS 4.0(1)           | April 21, 2008          |
| area nssa default-information-originate          | Cisco / Derek Yeung           | ENG-7864 (CSI-CLI-000608753-56)                                           | April 5, 1996                   | Cisco IOS 10           | 1993                    |
| area nssa default-information-originate (OSPFv3) | Cisco / Hasmit Grover         | Source Code (ospfv3.cmds.ann)                                             | November 7, 2005                | NX-OS 4.0(1)           | April 21, 2008          |
| area nssa no-summary                             | Cisco / Atif Khan             | Bug No. CSCdi69302 (CSI-CLI-1339832, 1339857)                             | September 16, 1996              | Cisco IOS 10           | 1993                    |
| area nssa translate type7 always                 | Cisco / Anton Smirnov         | Cisco IOS 12.2(15)T                                                       | March 17, 2003                  | Cisco IOS 12.2(15)T    | March 17, 2003          |
| area nssa translate type7 always (OSPFv3)        | Cisco / Anton Smirnov         | Cisco IOS 12.2(15)T                                                       | March 17, 2003                  | NX-OS 4.0(1)           | April 21, 2008          |
| area range                                       | Cisco / Robert Widmer         | Source Code (area_default-cost.921.1.copyout.cfg_router_area.h)           | June 14, 1992                   | Cisco IOS 10           | 1993                    |
| area range (OSPFv3)                              | Cisco / Hasmit Grover         | Source Code (ospfv3.cmds.ann)                                             | November 7, 2005                | NX-OS 4.0(1)           | April 21, 2008          |
| area stub                                        | Cisco / Robert Widmer         | Source Code (area_default-cost.921.1.copyout.cfg_router_area.h)           | June 14, 1992                   | Cisco IOS 10           | 1993                    |

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| area stub (OSPFv3)              | Cisco / Hasmit Grover              | Source Code (ospfv3.cmds.ann)                                                     | November 7, 2005                | NX-OS 4.0(1)           | April 21, 2008          |
| arp timeout                     | Cisco / Kirk Lougheed              | Cisco IOS 10                                                                      | 1993                            | Cisco IOS 10           | 1993                    |
| banner login                    | Cisco / Kirk Lougheed              | Cisco IOS 10                                                                      | 1993                            | Cisco IOS 10           | 1993                    |
| banner motd                     | Cisco / Kirk Lougheed              | Cisco IOS 10                                                                      | 1993                            | Cisco IOS 10           | 1993                    |
| bfd all-interfaces              | Cisco / Abhay Roy                  | EDCS-373194 v. 2 (CSI-CLI-00610410-420)                                           | May 26, 2004                    | Cisco IOS 12.2(18)SXE  | April 11, 2005          |
| bgp client-to-client reflection | Cisco / Ravishankar Chandrasekaran | Source Code (bgp_client-to-client_reflection.CVS_103_alaska.cfg_router_bgp.h.ann) | July 12, 1995                   | Cisco IOS 11.1         | March 1996              |
| bgp cluster-id                  | Cisco / Ravishankar Chandrasekaran | Source Code (bgp_client-to-client_reflection.CVS_103_alaska.cfg_router_bgp.h.ann) | June 30, 1995                   | Cisco IOS 11           | September 18, 1995      |
| bgp confederation identifier    | Cisco / Paul Traina                | Source Code (bgp_client-to-client_reflection.CVS_103_alaska.cfg_router_bgp.h.ann) | February 16, 1995               | Cisco IOS 10.3         | April 13, 1995          |
| bgp confederation peers         | Cisco / Paul Traina                | Source Code (bgp_client-to-client_reflection.CVS_103_alaska.cfg_router_bgp.h.ann) | February 16, 1995               | Cisco IOS 10.3         | April 13, 1995          |
| bgp listen limit                | Cisco / Satish Mynam               | Email (CSI -CLI-00608738)                                                         | February 12, 2007               | Cisco IOS 12.2(33)SXH  | August 21, 2007         |
| bgp log-neighbor-changes        | Cisco / Enke Chen                  | Source Code (cfg_router_bgp)                                                      | May 29, 1998                    | Cisco IOS 11.1CC       | November 30, 1998       |

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| bgp redistribute internal    | Cisco / Paul Traina           | Source Code (bgp_client-to-client_reflection.CVS_103_alaska.cfg_router_bgp.h.ann)                                   | March 9, 1994                   | Cisco IOS 12.1         | March 30, 2000          |
| boot system                  | Cisco / Kirk Lougheed         | AGS User Manual v6.0                                                                                                | March 12, 1987                  | ASM/AGS 6              | May 28, 1987            |
| channel-group                | Cisco / Ronnie Kon            | BugID CSCdi18116 (CSI-CLI-01339840 , CSI-CLI-01339867), Source Code (channel-group.CVS_100_nac0.cfg_ctrlr_t1.h.ann) | March 11, 1994                  | Cisco IOS 11.3MA       | February 1998           |
| class-map type control-plane | Cisco / Arun Kumar B.         | Source Code (copp_cli.cmd.ann)                                                                                      | September 24, 2007              | NX-OS 4.0(1)           | April 21, 2008          |
| clear arp-cache              | Cisco / Kirk Lougheed         | ASM/AGS User Manual v5.2                                                                                            | July 20, 1986                   | ASM/AGS 5.2            | July 20, 1986           |
| clear counters               | Cisco / Joel Bion             | Cisco IOS 10                                                                                                        | 1993                            | Cisco IOS 10           | 1993                    |
| clear ip arp                 | Cisco / Kirk Lougheed         | NX-OS 4.0(1)                                                                                                        | April 21, 2008                  | NX-OS 4.0(1)           | April 21, 2008          |
| clear ip bgp                 | Cisco / Kirk Lougheed         | Cisco IOS 10                                                                                                        | 1993                            | Cisco IOS 10           | 1993                    |
| clear ip igmp group          | Cisco / Dino Farinacci        | Cisco IOS 10                                                                                                        | 1993                            | Cisco IOS 10           | 1993                    |
| clear ip mfib fastdrop       | Cisco / Hugh Holbrook         | BugID CSCdw11255 (CSI -CLI-01339876, CSI -CLI-01339847)                                                             | December 3, 2001                | Cisco IOS 12.1(8a)EW   | January 16, 2002        |
| clear ip mroute              | Cisco / Dino Farinacci        | Cisco IOS 10                                                                                                        | 1993                            | Cisco IOS 10           | 1993                    |
| clear ip msdp sa-cache       | Cisco / Dino Farinacci        | BugID CSCdk49648 (CSI-CLI-01845673)                                                                                 | September 21, 1998              | Cisco IOS 12.0(7)T     | December 13, 1999       |
| clear ip nat translation     | Cisco / Andy Heffernan        | Email (CSI -CLI-00608588-90)                                                                                        | April 9, 1996                   | Cisco IOS 11.2         | October 1996            |
| clear ip ospf neighbor       | Cisco / Eun Kim               | Bug ID CSCdj70820                                                                                                   | March 1996                      | Cisco IOS 11.1         | March 1996              |

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|--------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------|------------------------|-------------------------|
| clear ipv6 neighbors                 | Cisco / Pedro Marques                                                     | Source Code (main/califpv6/1)                                                      | May 14, 1997                    | Cisco IOS 12.2(2)T     | May 25, 2001            |
| clear ipv6 ospf force-spf            | Cisco / Alun Evans, George Millard                                        | Source Code (main/flo_t/itd_flo_t_pi4/noggin/graculus/6)                           | October 9, 2002                 | Cisco IOS 12.0(24)S    | August 26, 2003         |
| clear lldp counters                  | Cisco / Devadas Patil                                                     | Email (CSI -CLI-00608734-37)                                                       | December 27, 2005               | Cisco IOS 12.2(33)SXH  | August 21, 2007         |
| clear lldp table                     | Cisco / Devadas Patil                                                     | Email (CSI -CLI-00608734-37)                                                       | December 27, 2005               | Cisco IOS 12.2(33)SXH  | August 21, 2007         |
| clear mac-address-table-dynamic      | Cisco / Alan Liebthal                                                     | Email (CSI -CLI-00608618-21)                                                       | May 19, 1998                    | Cisco IOS 12.2(2)XT    | December 3, 2001        |
| clear spanning-tree counters         | Cisco / François Tallet                                                   | ENG-103148 v. 8 (CSI -CLI-00609986-CSI -CLI-00610015 )                             | April 10, 2002                  | NX-OS 4                | April 3, 2008           |
| clock set                            | Cisco / Ronnie Kon                                                        | Source Code (clock_set.trunk_nac0_cvs_repo.CVS_repo_file.exec_clock.h,v)           | January 15, 1994                | Cisco IOS 10           | 1993                    |
| clock timezone                       | Cisco / Ronnie Kon                                                        | Source Code (clock_timezone.trunk_nac0_cvs_repo_CVS_repo_file.cfg_clock.h,v)       | January 15, 1994                | Cisco IOS 10           | 1993                    |
| control-plane                        | Cisco / Wayne Ogozaly, Mike Keohane, Adrian Smethurst, Rajiv Raghunarayan | EDCS-216047 (CSI-CLI-00610062-101, 0061097-329, 00610365-392, 00610432-488)        | July 19, 2002                   | Cisco IOS 12.2(18)S    | August 21, 2003         |
| default-information originate (OSPF) | Cisco / Anthony Li                                                        | Source Code (default-information_originate.nac0_cvs_repo.CVS_repo_file.route3.c,v) | March 27, 1992                  | Cisco IOS 10           | 1993                    |

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|----------------------------------------|---------------------------------|----------------------------------------------------------------------------------------|---------------------------------|------------------------|-------------------------|
| default-information originate (OSPFv3) | Cisco / Ilse Van Hoeck          | Email (CSI -CLI-00608702-03)                                                           | June 25, 2002                   | Cisco IOS 15.1(3)S     | July 25, 2011           |
| default-metric (OSPF)                  | Cisco                           | Gateway Server Reference Manual Rev. B                                                 | January 10, 1988                | Cisco IOS 10           | 1993                    |
| default-metric (OSPFv3)                | Cisco / Ilse Van Hoeck          | Email (CSI -CLI-00608702-03)                                                           | June 25, 2002                   | Cisco IOS 12.2(15)T    | March 17, 2003          |
| distance bgp                           | Cisco / Kirk Lougheed           | Cisco IOS 10                                                                           | 1993                            | Cisco IOS 10           | 1993                    |
| domain-id                              | Cisco / Vince Deters            | ENG-48920 v3 (CSI -CLI-00609291-99)                                                    | December 16, 1999               | Cisco IOS 12.1(5)T     | October 3, 2000         |
| dot1x max-reauth-req                   | Cisco / Mandeep Rohilla         | Source Code (dot1x_max-reauth-req.clearcase.main.sugarbowl.1.cfg_if_dot1x_auth.h.a nn) | June 30, 2004                   | Cisco IOS 12.2(18)SE   | February 2004           |
| dot1x pae authenticator                | Cisco / Mandeep Rohilla         | Email (CSI -CLI-00608712-13)                                                           | February 3, 2004                | Cisco IOS 12.3(11)T    | September 20, 2004      |
| dot1x port-control                     | Cisco / V.N. Ramesh Ponnappalli | Email (CSI -CLI-00608680-81)                                                           | May 21, 2001                    | Cisco IOS 12.1(6)EA2   | December 19, 2001       |
| dot1x reauthentication                 | Cisco / V.N. Ramesh Ponnappalli | Email (CSI -CLI-00608680-81)                                                           | May 21, 2001                    | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| dot1x system-auth-control              | Cisco / V.N. Ramesh Ponnappalli | Email (CSI -CLI-00608680-81)                                                           | May 21, 2001                    | Cisco IOS 12.3(2)XA    | August 11, 2003         |
| dot1x timeout quiet-period             | Cisco / V.N. Ramesh Ponnappalli | Email (CSI -CLI-00608682-83)                                                           | May 22, 2001                    | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| dot1x timeout reauth-period            | Cisco / V.N. Ramesh Ponnappalli | Email (CSI -CLI-00608684-87)                                                           | May 24, 2001                    | Cisco IOS 12.2(25)SEC  | May 3, 2006             |

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|-----------------------------------|---------------------------------|-------------------------------------------|---------------------------------|------------------------|-------------------------|
| dot1x timeout tx-period           | Cisco / V.N. Ramesh Ponnappalli | Email (CSI -CLI-00608682-83)              | May 22, 2001                    | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| enable secret                     | Cisco / David Carrel            | ENG-4972 (CSI -CLI-00608741-42)           | March 6, 1995                   | Cisco IOS 11           | September 18, 1995      |
| erase startup config              | Cisco / Andrew Heffernan        | Bug CSCdi28475 (CSI-CLI-1339838, 1339869) | January 11, 1995                | Cisco IOS 11           | September 18, 1995      |
| errdisable detect cause link-flap | Cisco / Narendranath Mididaddi  | Source Code (cfg_errdisable.h.ann)        | April 14, 2003                  | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| errdisable recovery cause         | Cisco / Narendranath Mididaddi  | Email (CSI -CLI-00608662)                 | January 13, 2000                | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| errdisable recovery interval      | Cisco / Narendranath Mididaddi  | Email (CSI -CLI-00608662)                 | January 13, 2000                | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| flowcontrol receive               | Cisco / Frederick Scott         | BugID CSCdp10173 (CSI-CLI-01845681)       | October 11, 1999                | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| flowcontrol send                  | Cisco / Frederick Scott         | BugID CSCdp10173 (CSI-CLI-01845681)       | October 11, 1999                | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| interface ethernet                | Cisco / Kirk Lougheed           | ASM Reference Manual v6.0                 | April 9, 1987                   | NX-OS 4                | April 3, 2008           |
| interface loopback                | Cisco / Kirk Lougheed           | Cisco IOS 10                              | 1993                            | Cisco IOS 10           | 1993                    |
| interface port-channel            | Cisco / Ravi Varanasi           | Email (CSI -CLI-00608593-95)              | July 10, 1997                   | Cisco IOS 11.1CA       | December 3, 1998        |
| interface vlan                    | Cisco / Carl Schaefer           | Email (CSI -CLI-00608592)                 | January 15, 1997                | Cisco IOS 11.3(5)T     | August 13, 1998         |
| ip access-group                   | Cisco / Kirk Lougheed           | ENG-7363 (CSI -CLI-00608751-52)           | February 28, 1996               | Release 7.0/7.1        | April 24, 1989          |



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|-------------------------------------|-----------------------------------|-------------------------------------------------------------------------------|---------------------------------|------------------------|-------------------------|
| ip access-list                      | Cisco / Kirk Lougheed             | Cisco IOS 11.2                                                                | October 1996                    | Cisco IOS 11.2         | October 1996            |
| ip access-list standard             | Cisco / Kirk Lougheed             | Cisco IOS 11.2                                                                | October 1996                    | Cisco IOS 11.2         | October 1996            |
| ip address                          | Cisco / Kirk Lougheed             | Gateway Server Update                                                         | April 24, 1989                  | Release 7.0/7.1        | April 24, 1989          |
| ip as-path access-list              | Cisco / David Hampton             | Source Code (ip_as-path_access-list.CVS_100.cfg_ip_as-path_access-list.h.ann) | October 7, 1993                 | Cisco IOS 10           | 1993                    |
| ip community-list expanded          | Cisco / Rex Fernando              | Cisco IOS 10.3                                                                | April 13, 1995                  | Cisco IOS 10.3         | April 13, 1995          |
| ip community-list standard          | Cisco / Rex Fernando              | Cisco IOS 10.3                                                                | April 13, 1995                  | Cisco IOS 10.3         | April 13, 1995          |
| ip dhcp smart-relay                 | Cisco / Jayadev Kumarasamy        | Source Code (cfg_ip_dhcp.h.ann)                                               | June 23, 2000                   | Cisco IOS 12.1         | March 30, 2000          |
| ip dhcp smart-relay global          | Cisco / Raghunatha Reddy P.       | Source Code (dhcp_snoop.cmd.521.ann), EDCS-868881 (CSI-CLI-00612102-188)      | May 12, 2010                    | NX-OS 5.2(1)           | July 29, 2011           |
| ip dhcp snooping                    | Cisco / Dehua Huang, Adam Sweeney | EDCS-194356 rev. A (CSI-CLI-00610016-27)                                      | April 29, 2002                  | Cisco IOS 12.2(18)SXE  | April 11, 2005          |
| ip dhcp snooping information option | Cisco / Dehua Huang, Adam Sweeney | EDCS-194356 rev. A CSI-CLI-00610016-27)                                       | April 29, 2002                  | Cisco IOS 12.2(18)SXE  | April 11, 2005          |
| ip dhcp snooping vlan               | Cisco / Dehua Huang, Adam Sweeney | EDCS-194356 rev. A CSI-CLI-00610016-27)                                       | April 29, 2002                  | Cisco IOS 12.2(18)SXE  | April 11, 2005          |
| ip domain lookup                    | Cisco / Kirk Lougheed             | Cisco IOS 10                                                                  | 1993                            | Cisco IOS 10           | 1993                    |
| ip domain-name                      | Cisco / Kirk Lougheed             | Cisco IOS 10                                                                  | 1993                            | Cisco IOS 10           | 1993                    |

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|------------------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------|-------------------------|
| ip extcommunity-list expanded      | Cisco / Robert Albrightson    | Source Code (ip_extcommunity-list_extended.clearcase_main_ricarlso_123t_pi5_1.cfg_ip_extcommunity-list.h) | March 30, 2000                  | Cisco IOS 12.1           | March 30, 2000          |
| ip extcommunity-list standard      | Cisco / Rex Fernando          | Source Code (ip_extcommunity-list_extended.clearcase_main_ricarlso_123t_pi5_1.cfg_ip_extcommunity-list.h) | March 30, 2000                  | Cisco IOS 12.1           | March 30, 2000          |
| ip helper-address                  | Cisco / Kirk Lougheed         | Gateway Server Update                                                                                     | April 24, 1989                  | Release 7.0/7.1          | April 24, 1989          |
| ip host                            | Cisco / Kirk Lougheed         | Gateway Server 8.0 Release Note                                                                           | November 7, 1989                | Release 8.0              | November 7, 1989        |
| ip http client source-interface    | Cisco / Anand Iyer            | Source Code (ip_http_client_source-interface.clearcase_main_flo_t_pi6_elmo_2.cfg_ip_http_client.ann)      | November 4, 2002                | Cisco IOS 12.3(7)T       | March 1, 2004           |
| ip icmp redirect                   | Cisco / Jorge Serpa           | Email (CSI -CLI-00608638)                                                                                 | January 6, 1999                 | Cisco IOS 12             | September 1998          |
| ip igmp last-member-query-count    | Cisco / Padmini Misra         | Source Code (ip_igmp_last-member-query-count.clearcase_main_florida_11.cfg_int_ip_igmp.h)                 | March 30, 2000                  | Cisco IOS 12.1           | March 30, 2000          |
| ip igmp last-member-query-interval | Cisco / Liming Wei            | Email (CSI -CLI-00608660)                                                                                 | May 17, 1999                    | Cisco IOS 12.1           | March 30, 2000          |
| ip igmp query-interval             | Cisco / Dino Farinacci        | Source Code (ip_igmp_query-interval.trunk_102_nac1_alabama_cvs_repo.cfg_int_ip_igmp.h.ann)                | June 24, 1994                   | Cisco IOS 10.2           | October 4, 1994         |
| ip igmp query-max-response-time    | Cisco / Manoj Leelanivas      | Source Code (cfg_int_ip_igmp.h.ann)                                                                       | March 1996                      | Cisco IOS 11.1           | March 1996              |
| ip igmp snooping                   | Cisco / Ken Smith             | Email (CSI -CLI-00608631-37)<br>Source Code (row_222.flo_t.cfg_igmp_snoop_eswilp.h.ann)                   | January 4, 1999                 | Cisco IOS 12.0(5.2)WC(1) | April 2001              |

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|---------------------------------------|---------------------------------|-------------------------------------------------------------------------------------|---------------------------------|--------------------------|-------------------------|
| ip igmp snooping querier              | Cisco / Sabrina Pittarel        | Source Code (cfg_int_igmp_extend.h.ann)                                             | December 20, 2001               | Cisco IOS 12.2(14)SX     | April 14, 2003          |
| ip igmp snooping vlan                 | Cisco / Senthil Arunachalam     | Email (CSI-CLI-00608673-74)<br>Source Code                                          | August 2, 2000                  | Cisco IOS 12.0(5.2)WC(1) | April 2001              |
| ip igmp snooping vlan immediate-leave | Cisco / Senthil Arunachalam     | Source Code<br>(/vob/ios/sys/switch/igmpsnoop/cfg_igmp_snoop.h.ann@ @/main/vegas/5) | September 11, 2000              | Cisco IOS 12.0(5.2)WC(1) | April 2001              |
| ip igmp snooping vlan mrouter         | Cisco / Senthil Arunachalam     | Source Code<br>(/vob/ios/sys/switch/igmpsnoop/cfg_igmp_snoop.h.ann@ @/main/vegas/1) | May 17, 2000                    | Cisco IOS 12.0(5.2)WC(1) | April 2001              |
| ip igmp snooping vlan static          | Cisco / Senthil Arunachalam     | Source Code<br>(/vob/ios/sys/switch/igmpsnoop/cfg_igmp_snoop.h.ann@ @/main/vegas/1) | May 17, 2000                    | Cisco IOS 12.0(5.2)WC(1) | April 2001              |
| ip igmp startup-query-count           | Cisco / Raghava Sivaramu        | Source Code (igmp.cmds.ann)                                                         | February 11, 2008               | NX-OS 4.0(1)             | April 21, 2008          |
| ip igmp startup-query-interval        | Cisco / Raghava Sivaramu        | Source Code (igmp.cmds.ann)                                                         | February 11, 2008               | NX-OS 4.0(1)             | April 21, 2008          |
| ip igmp static-group                  | Cisco / Manoj Leelanivas        | Source Code (cfg_int_ip_igmp.h.ann)                                                 | January 19, 1997                | Cisco IOS 11.2           | October 1996            |
| ip igmp version                       | Cisco / John Zwiebel            | Source Code (cfg_int_ip_igmp.h.ann)                                                 | March 1996                      | Cisco IOS 11.1           | March 1996              |
| ip load-sharing                       | Cisco / Anthony Li              | Email (CSI-CLI-00608586)                                                            | January 19, 1996                | Cisco IOS 11.2GS         | July 17, 1998           |
| ip local-proxy-arp                    | Cisco / Ramesh Santhanakrishnan | BugID CSCdr14606 (CSI-CLI-01845683)                                                 | March 13, 2001                  | Cisco IOS 12.1(5c)EX     | March 13, 2001          |

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|------------------------|-------------------------------|-------------------------------------|---------------------------------|------------------------|-------------------------|
| ip msdp cache-sa-state | Cisco / Dino Farinacci        | BugID CSCdk49648 (CSI-CLI-01845673) | September 21, 1998              | Cisco IOS 12.0(7)T     | December 13, 1999       |
| ip msdp default-peer   | Cisco / Dino Farinacci        | BugID CSCdk49648 (CSI-CLI-01845673) | September 21, 1998              | Cisco IOS 12.0(7)T     | December 13, 1999       |
| ip msdp description    | Cisco / Ishan Wu              | Email (CSI-CLI-00608659)            | March 3, 1999                   | Cisco IOS 12.0(7)T     | December 13, 1999       |
| ip msdp group-limit    | Cisco / Nataraj Bacthu        | Source Code (msdp.cmds.ann)         | April 29, 2005                  | NX-OS 4.0(1)           | April 21, 2008          |
| ip msdp keepalive      | Cisco / Ishan Wu              | BugID CSCdu33247 (CSI-CLI-01845687) | June 27, 2001                   | Cisco IOS 12.1(8a)E4   | September 5, 2001       |
| ip msdp mesh-group     | Cisco / Dino Farinacci        | Source Code (msdp.cmds.ann)         | December 13, 1999               | Cisco IOS 12.0(7)T     | December 13, 1999       |
| ip msdp originator-id  | Cisco / Dino Farinacci        | BugID CSCdk49648 (CSI-CLI-01845673) | September 21, 1998              | Cisco IOS 12.0(7)T     | December 13, 1999       |
| ip msdp peer           | Cisco / Dino Farinacci        | BugID CSCdk49648 (CSI-CLI-01845673) | September 21, 1998              | Cisco IOS 12.0(7)T     | December 13, 1999       |
| ip msdp sa-filter in   | Cisco / Dino Farinacci        | BugID CSCdk49648 (CSI-CLI-01845673) | September 21, 1998              | Cisco IOS 12.0(7)T     | December 13, 1999       |
| ip msdp sa-filter out  | Cisco / Dino Farinacci        | BugID CSCdk49648 (CSI-CLI-01845673) | September 21, 1998              | Cisco IOS 12.0(7)T     | December 13, 1999       |
| ip msdp sa-limit       | Cisco / Ishan Wu              | BugID CSCdt19258 (CSI-CLI-01845685) | January 22, 2001                | Cisco IOS 12.1(7)      | January 30, 2001        |
| ip msdp shutdown       | Cisco / Ishan Wu              | Email (CSI-CLI-00608659)            | March 3, 1999                   | Cisco IOS 12.0(7)T     | December 13, 1999       |

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| ip msdp timer                  | Cisco / Ishan Wu              | Source Code (ip_msdp_timer.clearcase_main_florida_3.cfg_ip_msdp.h.ann)  | July 6, 2001                    | Cisco IOS 12.1(8a)E4   | September 5, 2001       |
| ip multicast boundary          | Cisco / Toerless Eckert       | Cisco IOS 11.1                                                          | March 1996                      | Cisco IOS 11.1         | March 1996              |
| ip multicast-routing           | Cisco / Mark Baushke          | Source Code (ip_multicast-routing.CVS_103_alaska_pull.cfg_ip_pim.h.ann) | July 9, 1994                    | Cisco IOS 10           | 1993                    |
| ip name-server                 | Cisco / Kirk Lougheed         | Release 8.0 Beta Notes                                                  | September 14, 1989              | Release 8.0            | September 14, 1989      |
| ip nat pool                    | Cisco / Andy Heffernan        | Email (CSI-CLI-00608588-90)                                             | April 9, 1996                   | Cisco IOS 11.2         | October 1996            |
| ip nat translation tcp-timeout | Cisco / Andy Heffernan        | Email (CSI-CLI-00608588-90)                                             | April 9, 1996                   | Cisco IOS 11.2         | October 1996            |
| ip nat translation udp-timeout | Cisco / Andy Heffernan        | Email (CSI-CLI-00608588-90)                                             | April 9, 1996                   | Cisco IOS 11.2         | October 1996            |
| ip ospf authentication         | Cisco / Abhay Roy             | BigID CSCdk33792 (CSI-CLI-01845672)                                     | March 2, 2000                   | Cisco IOS 12           | September 1998          |
| ip ospf authentication-key     | Cisco / David Hampton         | Source code (ip_ospf_authentication-key.91.1.CVS_copyout.ospf_parse.c)  | March 3, 1992                   | Cisco IOS 10           | 1993                    |
| ip ospf bfd                    | Cisco / Abhay Roy             | EDCS-373194 v. 1 (CSI-CLI-00610401-09)                                  | May 1, 2004                     | Cisco IOS 12.2(18)SXE  | April 11, 2005          |
| ip ospf cost                   | Cisco / David Hampton         | Source code (ip_ospf_authentication-key.91.1.CVS_copyout.ospf_parse.c)  | March 3, 1992                   | Release 9.0            | 1992                    |
| ip ospf dead-interval          | Cisco / David Hampton         | Source code (ip_ospf_authentication-key.91.1.CVS_copyout.ospf_parse.c)  | March 3, 1992                   | Release 9.0            | 1992                    |

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|-----------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------|-------------------------|
| ip ospf hello-interval      | Cisco / David Hampton         | Source code (ip_ospf_authentication-key.91.1.CVS_copyout.ospf_parse.c)                                                                     | March 3, 1992                   | Release 9.0            | 1992                    |
| ip ospf message-digest-key  | Cisco / Anthony Li            | Source Code (cfg_int_ip_ospf.h.ann)                                                                                                        | July 1, 1995                    | Cisco IOS 11           | September 18, 1995      |
| ip ospf name-lookup         | Cisco / Anthony Li            | BugID CSCdi36508 (CSI -CLI-01339849, CSI -CLI-01339861), Source Code ( ip_ospf_name-lookup.CVS_110_arizona_repo.cfg_ip_routing_ospf.h.ann) | July 1, 1995                    | Cisco IOS 10           | 1993                    |
| ip ospf network             | Cisco / Robert Widmer         | Source Code (ip_ospf_network.921.1.copyout.cfg_int_ip_ospf.h)                                                                              | May 10, 1993                    | Cisco IOS 10           | 1993                    |
| ip ospf priority            | Cisco / David Hampton         | Source code (ip_ospf_authentication-key.91.1.CVS_copyout.ospf_parse.c)                                                                     | March 3, 1992                   | Release 9.0            | 1992                    |
| ip ospf retransmit-interval | Cisco / David Hampton         | Source code (ip_ospf_authentication-key.91.1.CVS_copyout.ospf_parse.c)                                                                     | March 3, 1992                   | Release 9.0            | 1992                    |
| ip ospf shutdown            | Cisco / Shubhra Bhargava      | EDCS-315091 v5 (CSI-CLI-00610359-364, 00610489-532)                                                                                        | September 19, 2006              | Cisco IOS 12.2(33)SRC  | January 14, 2008        |
| ip ospf transmit-delay      | Cisco / David Hampton         | Source code (ip_ospf_authentication-key.91.1.CVS_copyout.ospf_parse.c)                                                                     | March 3, 1992                   | Release 9.0            | 1992                    |
| ip pim anycast-rp           | Cisco / Nataraj Bacthu        | Source Code (pim.cmds.ann)                                                                                                                 | April 29, 2005                  | NX-OS 4.0(1)           | April 21, 2008          |
| ip pim bfd                  | Cisco / Deepak Dayama         | Source Code (pim_bfd.cmds.503.ann)                                                                                                         | November 11, 2009               | NX-OS 5.0(2)           | May 24, 2010            |
| ip pim bfd-instance         | Cisco / Nataraj Bacthu        | Source Code (pim_bfd.cmds.503.ann)                                                                                                         | March 1, 2010                   | NX-OS 5.0(2)           | May 24, 2010            |
| ip pim bsr-border           | Cisco / Ishan Wu              | Source Code (connecticut_cfg_int_ip_pim.h.ann)                                                                                             | October 13, 1999                | Cisco IOS 11.3T        | December 15, 1997       |

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| ip pim bsr-candidate        | Cisco / Liming Wei            | ENG-12945 (CSI -CLI-00608891-99)                                                             | April 3, 1997                   | Cisco IOS 11.3T        | December 15, 1997                  |
| ip pim dr-priority          | Cisco / Dino Farinacci        | Source Code (ip_pim_dr-priority.clearcase.main.connecticut.bidir120t.1.cfg_int_ip_pim.h.ann) | August 4, 1999                  | Cisco IOS 12.1(2)T     | April 26, 2000                     |
| ip pim log-neighbor-changes | Cisco / Ijsbrand Wijnands     | Bug ID CSCee02125 (CSI-CLI-01845695-97)                                                      | August 9, 2004                  | Cisco IOS 12.4(24)T    | February 2009                      |
| ip pim neighbor-filter      | Cisco / Chris White           | ENG-11703 rev. A (CSI -CLI-00608777-80)                                                      | January 22, 1997                | Cisco IOS 11.3         | December 1997                      |
| ip pim query-interval       | Cisco / Dino Farinacci        | Source Code (ip_pim_query-interval.CVS_103_nac2_alaska_repo_pull.cfg_int_ip_pim.h.ann)       | June 24, 1994                   | Cisco IOS 10           | 1993                               |
| ip pim register-source      | Cisco / Dino Farinacci        | Bug ID CSCdm95268                                                                            | September 9, 1999               | Cisco IOS 12.0(8)T     | December 13, 1999 - April 26, 2005 |
| ip pim rp-address           | Cisco / Dino Farinacci        | Source Code (ip_pim_rp-address.trunk_102_nac1_alabama_cvs_repo.cfg_ip_pi m.h.ann)            | October 4, 1994                 | Cisco IOS 10.2         | October 4, 1994                    |
| ip pim rp-candidate         | Cisco / Liming Wei            | ENG-12945 (CSI -CLI-00608891-99)                                                             | April 3, 1997                   | Cisco IOS 11.3T        | December 15, 1997                  |
| ip pim sparse-mode          | Cisco / Dino Farinacci        | Source Code (ip_pim_query-interval.CVS_103_nac2_alaska_repo_pull.cfg_int_ip_pim.h.ann)       | June 24, 1994                   | Cisco IOS 10           | 1993                               |
| ip pim spt-threshold        | Cisco / Dino Farinacci        | Source Code (cfg_ip_pim.h.ann)                                                               | December 17, 1995               | Cisco IOS 11.1         | March 1996                         |

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| ip pim spt-threshold group-list | Cisco / Dino Farinacci        | Source Code (cfg_ip_pim.h.ann)                        | December 17, 1995               | Cisco IOS 11.1         | March 1996              |
| ip pim ssm range                | Cisco / Nidhi Bhaskar         | ENG-56717 v 1.0 (CSI -CLI-00609339-41)                | February 24, 2000               | Cisco IOS 12.1(3)T     | July 27, 2000           |
| ip prefix-list                  | Cisco / Enke Chen             | Source Code (row_208.connecticut.cfg_ip_prefixlist.h) | June 6, 1998                    | Cisco IOS 12.0(3)T     | January 21, 1999        |
| ip protocol                     | Cisco                         | Cisco IOS 12.0(23)S                                   | August 26, 2003                 | Cisco IOS 12.0(23)S    | August 26, 2003         |
| ip proxy-arp                    | Cisco / Kirk Lougheed         | Release 8.0 Beta Notes                                | September 14, 1989              | Release 8.0            | September 14, 1989      |
| ip radius source-interface      | Cisco / Syed M. Ashraf        | Source Code (cfg_ip_radius.h.ann)                     | January 1, 1996                 | Cisco IOS 11.3         | December 1997           |
| ip rip v2-broadcast             | Cisco / Doug Weismann         | Source Code (cfg_int_ip_rip.h.ann)                    | December 2, 1995                | Cisco IOS 12.1(5)T     | October 3, 2000         |
| ip route                        | Cisco / Kirk Lougheed         | Release 8.0 Beta Notes                                | September 14, 1989              | Release 8.0            | September 14, 1989      |
| ip routing                      | Cisco / Kirk Lougheed         | Gateway Server Update                                 | April 24, 1989                  | Release 7.0/7.1        | April 24, 1989          |
| ip tacacs source-interface      | Cisco / Syed M. Ashraf        | Cisco IOS 10                                          | December 8, 1995                | Cisco IOS 10           | 1993                    |
| ip-community-list standard      | Cisco / Rex Fernando          | Cisco IOS 10.3                                        | April 13, 1995                  | Cisco IOS 10.3         | April 13, 1995          |
| ipv6 access-list                | Cisco / Pedro Marques         | Source Code (Source Code (main/califpv6/1)            | May 14, 1997                    | Cisco IOS 12.2(2)T     | May 25, 2001            |



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| ipv6 address                | Cisco / Pedro Marques            | Source Code (Source Code (main/califpv6/1)                                  | May 14, 1997                    | Cisco IOS 12.2(2)T     | May 25, 2001            |
| ipv6 dhcp relay destination | Cisco / Jun Xie                  | Email (CSI-CLI-00608714-15)                                                 | February 19, 2004               | Cisco IOS 12.3(11)T    | September 20, 2004      |
| ipv6 enable                 | Cisco / Pedro Marques, Ole Troan | ENG-66740 (CSI-CLI-00609397-405),<br>Email<br>Source Code (main/califpv6/1) | May 14, 1997                    | Cisco IOS 12.2(2)T     | May 25, 2001            |
| ipv6 host                   | Cisco / Pedro Marques            | Source Code (main/califpv6/1)                                               | May 14, 1997                    | Cisco IOS 12.2(2)T     | May 25, 2001            |
| ipv6 access-group           | Cisco / Minglei Yang             | Source Code (u_cfg_gprs_apn.h)                                              | November 20, 2006               | Cisco IOS 12.4(9)XG    | November 20, 2006       |
| ipv6 nd managed-config-flag | Cisco / Pedro Marques            | Source Code (main/califpv6/1                                                | May 14, 1997                    | Cisco IOS 12.2(2)T     | May 25, 2001            |
| ipv6 nd ns-interval         | Cisco / Pedro Marques            | Source Code (main/califpv6/1)                                               | May 14, 1997                    | Cisco IOS 12.2(2)T     | May 25, 2001            |
| ipv6 nd other-config-flag   | Cisco / Pedro Marques            | Source Code (main/califpv6/1)                                               | May 14, 1997                    | Cisco IOS 12.2(2)T     | May 25, 2001            |
| ipv6 nd prefix              | Cisco / Alun Evans               | Source Code<br>(main/flo_t/itd_flo_t_pi4/noggin/graculus/1)                 | April 29, 2002                  | Cisco IOS 12.2(13)T    | November 25, 2002       |
| ipv6 nd ra interval         | Cisco / Ole Troan                | ENG-66740 (CSI-CLI-00609397-405)<br>Email (CSI -CLI-00608663-72)            | February 4, 2000                | Cisco IOS 12.4(2)T     | June 27, 2005           |
| ipv6 nd ra lifetime         | Cisco / Ole Troan                | ENG-66740 (CSI-CLI-00609397-405)<br>Email (Email (CSI -CLI-00608663-72))    | February 4, 2000                | Cisco IOS 12.4(2)T     | June 27, 2005           |

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| ipv6 nd ra suppress           | Cisco / Tim Gleeson           | Source Code (main/califpv6/1)                                | November 4, 2004                | Cisco IOS 12.4(2)T     | June 27, 2005           |
| ipv6 nd reachable-time        | Cisco / Pedro Marques         | Source Code (main/flo_isp/ion_s/itd2_rls4/itd2_rls5/simla/2) | May 14, 1997                    | Cisco IOS 12.2(2)T     | May 25, 2001            |
| ipv6 nd router-preference     | Cisco / Tim Gleeson           | Email (CSI -CLI-00608720)                                    | May 12, 2004                    | Cisco IOS 12.4(2)T     | June 27, 2005           |
| ipv6 neighbor                 | Cisco / Alun Evans            | Source Code (main/flo_t/itd_flo_t_pi4/noggin/garculus/1)     | April 9, 2002                   | Cisco IOS 12.2(8)T     | February 25, 2002       |
| ipv6 ospf area                | Cisco / Abhay Roy             | ENG-112494 rev. B (CSI-CLI-00609752-69)                      | August 31, 2001                 | Cisco IOS 12.0(24)S    | August 26, 2003         |
| ipv6 ospf cost                | Cisco / Abhay Roy             | ENG-112494 rev. B (CSI-CLI-00609752-69)                      | August 31, 2001                 | Cisco IOS 12.0(24)S    | August 26, 2003         |
| ipv6 ospf dead-interval       | Cisco / Abhay Roy             | ENG-112494 rev. B (CSI-CLI-00609752-69)                      | August 31, 2001                 | Cisco IOS 12.0(24)S    | August 26, 2003         |
| ipv6 ospf hello-interval      | Cisco / Abhay Roy             | ENG-112494 rev. B (CSI-CLI-00609752-69)                      | August 31, 2001                 | Cisco IOS 12.0(24)S    | August 26, 2003         |
| ipv6 ospf network             | Cisco / Abhay Roy             | ENG-112494 rev. B (CSI-CLI-00609752-69)                      | August 31, 2001                 | Cisco IOS 12.0(24)S    | August 26, 2003         |
| ipv6 ospf priority            | Cisco / Abhay Roy             | ENG-112494 rev. B (CSI-CLI-00609752-69)                      | August 31, 2001                 | Cisco IOS 12.0(24)S    | August 26, 2003         |
| ipv6 ospf retransmit-interval | Cisco / Abhay Roy             | ENG-112494 rev. B (CSI-CLI-00609752-69)                      | August 31, 2001                 | Cisco IOS 12.0(24)S    | August 26, 2003         |
| ipv6 ospf transmit-delay      | Cisco / Abhay Roy             | ENG-112494 rev. B (CSI-CLI-00609752-69)                      | August 31, 2001                 | Cisco IOS 12.0(24)S    | August 26, 2003         |

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| ipv6 prefix-list       | Cisco / Ole Troan                             | ENG-112494 rev. B (CSI-CLI-00609752-69)                                | February 4, 2000                | Cisco IOS 12.2(2)T     | May 25, 2001            |
| ipv6 route             | Cisco / Pedro Marques                         | Source Code (main/califpv6/1)                                          | May 14, 1997                    | Cisco IOS 12.2(2)T     | May 25, 2001            |
| ipv6 router ospf       | Cisco / Ole Troan                             | ENG-66740 (CSI-CLI-00609397-405)<br>Email (CSI -CLI-00608663-72)       | February 4, 2000                | Cisco IOS 12.0(24)S    | August 26, 2003         |
| ipv6 unicast-routing   | Cisco / Pedro Marques                         | Source Code (main/califpv6/1)                                          | May 214, 1997                   | Cisco IOS 12.2(2)T     | May 25, 2001            |
| isis hello-interval    | Cisco / David Hampton                         | Source Code (isis_hello-interval.914.10.copyout.isis.m4)               | March 9, 1992                   | Cisco IOS 10           | 1993                    |
| isis hello-multiplier  | Cisco / David Katz                            | BugID CSCdi38139 (CSI -CLI-01339844, CSI -CLI-01339874 )               | August 3, 1995                  | Cisco IOS 10           | 1993                    |
| isis lsp-interval      | Cisco / David Katz                            | Source Code (sys/clns/cfg_int_isis.h)                                  | May 7, 1996                     | Cisco IOS 11.1         | March 1996              |
| isis metric            | Cisco / David Hampton                         | Source Code (isis_metric.91.1.copyout.isis.m4)                         | March 9, 1992                   | Cisco IOS 10           | 1993                    |
| isis passive           | Cisco / Ayan Banerjee                         | Source Code (isis.cmds.ann)                                            | March 26, 2007                  | NX-OS 4.0(1)           | April 21, 2008          |
| isis passive-interface | Cisco / Sri Mohana Satya Srinivas Singamsetty | Source Code (isis.cmds.622.ann)                                        | November 7, 2012                | NX-OS 6.2(2)           | August 22, 2013         |
| isis priority          | Cisco / David Hampton                         | Source Code (isis_metric.91.1.copyout.isis.m4)                         | March 9, 1992                   | Cisco IOS 10           | 1993                    |
| is-type                | Cisco / Robert Widmer                         | Source Code (is-type.trunk_100_nac0_cvs_repo.cfg_router_is-type.h.ann) | June 14, 1992                   | Cisco IOS 10.3         | April 13, 1995          |

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|----------------------|----------------------------------------------------------|----------------------------------------------------------------------|---------------------------------|------------------------|-------------------------|
| lacp port-priority   | Cisco / Massimiliano Ardica, Saci Nambakkam, Edward Pham | ENG-120379 v. 1 (CSI -CLI-00609553-70)                               | May 7, 2001                     | Cisco IOS 12.1(13)EW   | December 23, 2002       |
| lacp rate            | Cisco / Dan Hall                                         | Email (CSI-CLI-00608733)                                             | October 18, 2005                | Cisco IOS 12.2(18)SXF2 | January 20, 2006        |
| lacp system-priority | Cisco / Massimiliano Ardica, Saci Nambakkam, Edward Pham | ENG-120379 v. 1 (CSI -CLI-00609553-70)                               | May 7, 2001                     | Cisco IOS 12.1(13)EW   | December 23, 2002       |
| link state group     | Cisco / Yogesh Kaushik                                   | Email (CSI-CLI-00608729)                                             | October 29, 2004                | Cisco IOS 15.1(1)S     | November 23, 2010       |
| link state track     | Cisco / Sankar Nagarajan                                 | Source Code (cfg_int_lstrack.h.ann)                                  | March 18, 2010                  | Cisco IOS 15.1(1)S     | November 23, 2010       |
| lldp holdtime        | Cisco / Devadas Patil                                    | Email (CSI -CLI-00608734-38) EDCS-487707 v. 1 (CSI -CLI-01507526-44) | November 21, 2005               | Cisco IOS 12.2(37)SE   | August 8, 2007          |
| lldp receive         | Cisco / Devadas Patil                                    | Email (CSI-CLI-00811125-28) EDCS-487707 v. 3 (CSI-CLI-01507566-86)   | November 28, 2005               | Cisco IOS 12.2(33)SXH  | August 21, 2007         |
| lldp reinit          | Cisco / Devadas Patil                                    | Email (CSI -CLI-00608734-38) EDCS-487707 v. 1 (CSI -CLI-01507526-44) | November 21, 2005               | Cisco IOS 12.2(37)SE   | August 8, 2007          |
| lldp run             | Cisco / Devadas Patil                                    | Email (CSI -CLI-00608734-38) EDCS-487707 v. 1 (CSI -CLI-01507526-44) | November 21, 2005               | Cisco IOS 12.2(37)SE   | August 8, 2007          |
| lldp timer           | Cisco / Devadas Patil                                    | Email (CSI -CLI-00608734-38) EDCS-487707 v. 1 (CSI -CLI-01507526-44) | November 21, 2005               | Cisco IOS 12.2(37)SE   | August 8, 2007          |
| lldp tlv-select      | Cisco / Devadas Patil                                    | Email (CSI -CLI-00608734-38) EDCS-487707 v. 1 (CSI -CLI-01507526-44) | November 21, 2005               | Cisco IOS 12.2(37)SE   | August 8, 2007          |

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| lldp transmit                  | Cisco / Devadas Patil         | Email (CSI-CLI-00811125-28)<br>EDCS-487707 v. 3 (CSI-CLI-01507566-86)                   | November 28, 2005               | Cisco IOS 12.2(33)SXH  | August 21, 2007         |
| load-interval                  | Cisco / William May           | Source code (load-interval.trunk_102_nac1_alabama_cvs_repo.cfg_int_load-interval.h.ann) | August 17, 1994                 | Cisco IOS 10.3         | April 13, 1995          |
| log-adjacency-changes          | Cisco / Abhay Roy             | BugID CSCdj76740                                                                        | October 12, 1998                | Cisco IOS 12.1         | March 30, 2000          |
| log-adjacency-changes (IS-IS)  | Cisco / David Katz            | BugID CSCdi38138 (CSI-CLI-01845670)                                                     | August 25, 1995                 | NX-OS 4.0(1)           | April 21, 2008          |
| log-adjacency-changes (OSPFv3) | Cisco / Abhay Roy             | ENG-112494 rev. B (CSI-CLI-00609752-769)                                                | August 31, 2001                 | Cisco IOS 15.1(3)S     | July 25, 2011           |
| logging host                   | Cisco / Jim Duncan            | Email (CSI-CLI-00608661)                                                                | July 20, 1999                   | Cisco IOS 10           | 1993                    |
| mac access-group               | Cisco / Vithal Shirodkar      | Email (CSI-CLI-00608696)                                                                | September 5, 2001               | Cisco IOS 12.0(32)S    | January 18, 2006        |
| mac access-list                | Cisco / Rituparna Agrawal     | Source Code (aclmgr.cmd.ann)                                                            | May 16, 2006                    | NX-OS 4.0(1)           | April 21, 2008          |
| mac-address                    | Cisco / Kirk Lougheed         | Source Code (mac-address.8.2.1.copyout.config.m4)                                       | February 11, 1990               | Cisco IOS 10           | 1993                    |
| mac-address-table aging-time   | Cisco / Alan Liebthal         | Email (CSI-CLI-00608618-21)                                                             | May 19, 1998                    | Cisco IOS 12.0(7)XE    | December 27, 1999       |
| mac-address-table static       | Cisco / Alan Liebthal         | Email (CSI-CLI-00608618-21)                                                             | May 19, 1998                    | Cisco IOS 12.0(7)XE    | December 27, 1999       |
| max-connections                | Cisco / Chien-Chiang Lai      | CSCdk83367 (CSI -CLI-01339845, CSI -CLI-01339873)                                       | February 8, 1999                | Cisco IOS 12.2(8)T     | February 25, 2002       |
| maximum-paths                  | Cisco / Anthony Li            | Source Code (cfg_router_maximum-paths.h.ann)                                            | July 1, 1995                    | Cisco IOS 12.2(8)T     | February 25, 2002       |

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| maximum-paths (OSPFv3)                  | Cisco / Abhay Roy                  | ENG-112494 rev. B (CSI-CLI-00609752-769)                      | August 31, 2001                 | Cisco IOS 15.1(3)S     | July 25, 2011           |
| neighbor activate                       | Cisco / Enke Chen                  | Source Code (activate_cfg_router_neighbor_bgp.h.ann)          | September 30, 1998              | Cisco IOS 11           | September 18, 1995      |
| neighbor allowas-in                     | Cisco / Srihari Sangli             | BugID CSCdm88601 (CSI-CLI-01845678)                           | September 28, 1999              | Cisco IOS 12.0(7)T     | December 13, 1999       |
| neighbor default-originate              | Cisco / Andrew Heffernan           | Source Code (cfg_router_neighbor_bgp.h.ann)                   | July 7, 1995                    | Cisco IOS 11           | September 18, 1995      |
| neighbor description                    | Cisco / Enke Chen                  | Source Code (cfg_router_neighbor_bgp.h.ann)                   | September 29, 1997              | Cisco IOS 11.3         | December 1997           |
| neighbor ebgp-multihop                  | Cisco / Paul Traina                | CSCdi10324 (CSI-CLI-01339862-63, CSI-CLI-01339836)            | April 16, 1993                  | Cisco IOS 10           | 1993                    |
| neighbor fall-over bfd                  | Cisco / Satish Mynam               | Source Code (_row_217.conn_isp.cfg_router_neighbor_bgp.h.ann) | June 10, 2005                   | Cisco IOS 12.2(33)SRA  | June 19, 2006           |
| neighbor local-as                       | Cisco / Rex Fernando               | BugID CSCdm26955 (CSI-CLI-01845675)                           | April 29, 1999                  | Cisco IOS 12.0(5)S     | July 13, 1999           |
| neighbor next-hop-self                  | Cisco / Ravishankar Chandrasekaran | BugID CSCdi13037 (CSI-CLI-01845662)                           | September 24, 1993              | Cisco IOS 10           | 1993                    |
| neighbor password                       | Cisco / Anthony Li                 | Source Code (password_cfg_router_neighbor_bgp.h.ann)          | July 1, 1995                    | Cisco IOS 11           | September 18, 1995      |
| neighbor peer-group (assigning members) | Cisco / Anthony Li                 | Source Code (cfg_router_neighbor_bgp.h.ann)                   | July 1, 1995                    | Cisco IOS 11           | September 18, 1995      |
| neighbor peer-group (creating)          | Cisco / Anthony Li                 | Source Code (cfg_router_neighbor_bgp.h.ann)                   | July 1, 1995                    | Cisco IOS 11           | September 18, 1995      |

| Command Expression                 | Author/Originator Information      | Earliest Known Document                                                                               | Date of Earliest Known Document | First Operating System | First Distribution Date |
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| neighbor remote-as                 | Cisco / Dan Tappan                 | ENG-29568 v. 4 (CSI-CLI-0609236-51)                                                                   | March 11, 1999                  | Cisco IOS 10           | 1993                    |
| neighbor remove-private-as         | Cisco / Ravishankar Chandrasekaran | Source Code (neighbor_remove-private-AS.trunk_103_nac2_alaska_cvs_repo.cfg_router_neighbor_bgp.h.ann) | July 30, 1996                   | Cisco IOS 10.3         | April 13, 1995          |
| neighbor route-map                 | Cisco / Dino Farinacci             | ENG-3476 (CSI-CLI-01329757)                                                                           | 1993                            | Cisco IOS 10           | 1993                    |
| neighbor route-reflector-client    | Cisco / Anthony Li                 | Source Code (password_cfg_router_neighbor_bgp.h.ann)                                                  | July 1, 1995                    | Cisco IOS 11.1         | March 1996              |
| neighbor send-community            | Cisco / Paul Traina                | Source Code (neighbor_remove-private-AS.trunk_103_nac2_alaska_cvs_repo.cfg_router_neighbor_bgp.h.ann) | March 1, 1995                   | Cisco IOS 10.3         | April 13, 1995          |
| neighbor shutdown                  | Cisco / Enke Chen                  | Source Code (cfg_router_neighbor_bgp.h.neighbor.shutdown)                                             | May 28, 1998                    | Cisco IOS 12           | September 1998          |
| neighbor soft-reconfiguration      | Cisco                              | Cisco IOS 11.2                                                                                        | October 1996                    | Cisco IOS 11.2         | October 1996            |
| neighbor timers                    | Cisco / Enke Chen                  | Source Code (cfg_router_neighbor_bgp.h.neighbor.timers)                                               | November 17, 1997               | Cisco IOS 12           | September 1998          |
| neighbor transport connection-mode | Cisco / Daniel Walton              | Source Code (transport_cfg_router_neighbor_bgp.h)                                                     | February 19, 2004               | Cisco IOS 12.4         | May 2, 2005             |
| neighbor update-source             | Cisco / David Hampton              | Source Code (neighbor_ebgp-multihop.91.11.copyout.bgp.c)                                              | March 9, 1992                   | Cisco IOS 10           | 1993                    |
| neighbor weight                    | Cisco                              | Release 8.0 Beta Notes                                                                                | September 14, 1989              | Cisco IOS 10           | 1993                    |
| network area                       | Cisco                              | Cisco IOS 10                                                                                          | 1993                            | Cisco IOS 10           | 1993                    |
| no snmp-server                     | Cisco / Kirk Lougheed              | Release 7.0/7.1                                                                                       | April 24, 1989                  | Release 7.0/7.1        | April 24, 1989          |

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| ntp authenticate              | Cisco / David Katz                                       | Source Code<br>(ntp_authenticate.CVS_100_repo_pull.cfg_ntp.h.ann) | December 1, 1993                | Cisco IOS 10           | 1993                    |
| ntp authentication-key        | Cisco / David Katz                                       | Source Code<br>(ntp_authenticate.CVS_100_repo_pull.cfg_ntp.h.ann) | December 1, 1993                | Cisco IOS 10           | 1993                    |
| ntp server                    | Cisco / David Hampton                                    | Source Code<br>(ntp_authenticate.CVS_100_repo_pull.cfg_ntp.h.ann) | October 7, 1993                 | Cisco IOS 10           | 1993                    |
| ntp source                    | Cisco / David Hampton                                    | Source Code<br>(ntp_authenticate.CVS_100_repo_pull.cfg_ntp.h.ann) | August 5, 1993                  | Cisco IOS 10           | 1993                    |
| ntp trusted-key               | Cisco / David Katz                                       | Source Code<br>(ntp_authenticate.CVS_100_repo_pull.cfg_ntp.h.ann) | December 1, 1993                | Cisco IOS 10           | 1993                    |
| passive-interface             | Cisco / Kirk Lougheed                                    | Release 7.0/7.1                                                   | April 24, 1989                  | Release 7.0/7.1        | April 24, 1989          |
| passive-interface (OSPFv3)    | Cisco / Abhay Roy                                        | ENG-112494 rev. B (CSI-CLI-00609752-769)                          | August 31, 2001                 | Cisco IOS 15.1(3)S     | July 25, 2011           |
| passive-interface default     | Cisco / Padma Pillay-Esnault                             | Source Code (cfg_router_passive-interface.h)                      | November 4, 1998                | Cisco IOS 12           | September 1998          |
| policy-map type control-plane | Cisco / Arun Kumar B.                                    | Source Code (copp_cli.cmd.ann)                                    | September 24, 2007              | NX-OS 4.0(1)           | April 21, 2008          |
| policy-map type qos           | Cisco / Ramesh Kumar Chinnasamy                          | Source Code (qosmgr.cmd.ann)                                      | January 4, 2007                 | NX-OS 4                | April 3, 2008           |
| port-channel load-balance     | Cisco / Massimiliano Ardica, Saci Nambakkam, Edward Pham | ENG-120379 v. 1 (CSI -CLI-00609553-70)                            | May 7, 2001                     | Cisco IOS 12.2(14)SX   | April 14, 2003          |



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|-----------------------------|--------------------------------------|--------------------------------------|----------------------------------------|-------------------------------|--------------------------------|
| port-channel min-links      | Cisco / Dan Hall                     | Email (CSI-CLI-00608721)             | July 23, 2004                          | Cisco IOS 12.2(18)SXF         | September 12, 2005             |
| priority-flow-control mode  | Cisco / Harsha Bharadwaj             | Source Code (qosmgr_dce.cmd.ann)     | November 7, 2012                       | NX-OS 5.1(1)                  | October 25, 2010               |
| private-vlan                | Cisco / Dan Florea                   | ENG-56211 v. I (CSI-CLI-00609514-35) | January 16, 2001                       | Cisco IOS 12.2(14)SX          | April 14, 2003                 |
| private-vlan mapping        | Cisco / Dan Florea                   | ENG-56211 v. I (CSI-CLI-00609514-35) | January 16, 2001                       | Cisco IOS 12.2(14)SX          | April 14, 2003                 |
| ptp domain                  | Cisco / Mark Bilstad                 | EDCS-798937 (CSI-CLI 00610555-952)   | July 23, 2009                          | NX-OS 5.2(1)                  | July 29, 2011                  |
| ptp priority1               | Cisco / Tong Liu                     | Email (CSI-CLI-00846643)             | June 25, 2008                          | NX-OS 5.2(1)                  | July 29, 2011                  |
| ptp priority2               | Cisco / Tong Liu                     | Email (CSI-CLI-00846643)             | June 25, 2008                          | NX-OS 5.2(1)                  | July 29, 2011                  |
| ptp sync interval           | Cisco / Tong Liu                     | Email (CSI-CLI-00608739-40)          | June 25, 2008                          | NX-OS 5.2(1)                  | July 29, 2011                  |
| radius-server deadtime      | Cisco / Bill Westfield               | ENG-5571 v3 (CSI-CLI-00608757-62)    | June 3, 1996                           | Cisco IOS 11.1                | March 1996                     |
| radius-server host          | Cisco / Bill Westfield               | ENG-5571 v1 (CSI-CLI-00608743-45)    | May 4, 1995                            | Cisco IOS 11.1                | March 1996                     |
| radius-server key           | Cisco / Bill Westfield               | ENG-5571 v1 (CSI-CLI-00608743-45)    | May 4, 1995                            | Cisco IOS 11.1                | March 1996                     |
| radius-server retransmit    | Cisco / Bill Westfield               | ENG-5571 v1 (CSI-CLI-00608743-45)    | May 4, 1995                            | Cisco IOS 11.1                | March 1996                     |
| radius-server timeout       | Cisco / Bill Westfield               | ENG-5571 v1 (CSI-CLI-00608743-45)    | May 4, 1995                            | Cisco IOS 11.1                | March 1996                     |
| redundancy force-switchover | Cisco / Frederick Lewis              | Email (CSI-CLI-00608676-79)          | November 13, 2000                      | Cisco IOS 12.0(16)ST          | March 29, 2001                 |
| route-map                   | Cisco / Dino Farinacci               | EDCS-3476 (CSI-CLI-01329757)         | January 27, 1993                       | Cisco IOS 10                  | 1993                           |

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| router bgp               | Cisco / Kirk Lougheed         | Release 8.0                                                                                          | September 14, 1989              | Release 8.0            | September 14, 1989      |
| router isis              | Cisco / David Hampton         | Source Code<br>(router_isis.nfs_beyond.old_rel_9X_91_READONLY_91.1.READONLY_sys_gs.route3.c.copyout) | March 9, 1992                   | Cisco IOS 10           | 1993                    |
| router ospf              | Cisco / David Hampton         | Source Code<br>(router_isis.nfs_beyond.old_rel_9X_91_READONLY_91.1.READONLY_sys_gs.route3.c.copyout) | March 9, 1992                   | Cisco IOS 10           | 1993                    |
| router rip               | Cisco / Kirk Lougheed         | AGS Reference Manual Rev 6.1                                                                         | September 19, 1987              | Cisco IOS 12.2(2)T     | May 25, 2001            |
| router-id                | Cisco / James Gibson          | Email (CSI -CLI-00755064-68)                                                                         | March 8, 1999                   | Cisco IOS 12.0(1)T     | November 2, 1998        |
| router-id (OSPFv3)       | Cisco / Abhay Roy             | ENG-112494 rev. B (CSI-CLI-00609752-769)                                                             | July 25, 2011                   | Cisco IOS 15.1(3)S     | July 25, 2011           |
| routing-context vrf      | Cisco / Yong Chen             | Source Code (cli.cmds.ann)                                                                           | January 14, 2008                | NX-OS 4.0(1)           | April 21, 2008          |
| service sequence-numbers | Cisco                         | Cisco IOS 12                                                                                         | September 1998                  | Cisco IOS 12           | September 1998          |
| set-overload-bit         | Cisco / Henk Smit             | Source Code (cfg_router_isis.h.ann)                                                                  | June 5, 1997                    | Cisco IOS 11.2         | October 1996            |
| show aaa method-lists    | Cisco / Jihad Sabra           | Source Code (exec_show_aaa.h)                                                                        | June 12, 2000                   | Cisco IOS 12.2(8)T     | February 25, 2002       |
| show aaa sessions        | Cisco / Richard Foltak        | Source Code (exec_show_aaa.h)                                                                        | September 29, 2000              | Cisco IOS 15.0(2)EX    | June 22, 2013           |
| show arp                 | Cisco / Kirk Lougheed         | ASM/AGS 5.2                                                                                          | July 20, 1986                   | ASM/AGS 5.2            | July 20, 1986           |

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|------------------------------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------|------------------------|-------------------------|
| show bfd neighbors           | Cisco / Stefano Previdi                              | BugID CSCec57162 (CSI-CLI-01845693)                                                                   | December 22, 2003               | Cisco IOS 12.0(31)S    | April 20, 2005          |
| show clock                   | Cisco / David Katz                                   | Source Code (show_clock.trunk_100_nac0_cvs_repo.exec_show_clock.h.ann)                                | March 13, 1993                  | Cisco IOS 10           | 1993                    |
| show dot1q-tunnel            | Cisco / Sacidhar Nambakkam                           | BugID CSCdw07212 (CSI-CLI-01845691)                                                                   | January 1, 2002                 | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| show dot1x                   | Cisco / Gayatri Ramakrishnan, Satyanarayana Dillikar | ENG-70052 (CSI-CLI-01497670-90)                                                                       | May 20, 2000                    | Cisco IOS 12.1(11)AX   | May 2003                |
| show dot1x all summary       | Cisco / Sudheer Reddy Vakati                         | Source Code (show_dot1x_all_summary.clearcase.main.flo_isp.con st2.pikespeak.2.exec_show_dot1x.h.ann) | August 4, 2005                  | Cisco IOS 12.1(14)EA1  | July 25, 2003           |
| show dot1x statistics        | Cisco / V.N. Ramesh Ponnappalli                      | Email (CSI-CLI-00608684-87)                                                                           | May 24, 2001                    | Cisco IOS 12.2(25)SEE  | May 1, 2006             |
| show environment all         | Cisco / Scott Miller                                 | BugID CSCed76786 (CSI-CLI-01339808-09, CSI-CLI-01339852)                                              | October 7, 2004                 | Cisco IOS 12.2(20)S2   | March 16, 2004          |
| show environment cooling     | Cisco / Iris Ataee                                   | Source Code (exec_show_env.h.xann)                                                                    | June 28, 2002                   | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| show environment power       | Cisco / Sudhakar Mamillapalli                        | Source Code (pfm.cmd.ann)                                                                             | December 18, 2007               | NX-OS 4.2(1)           | August 10, 2009         |
| show environment temperature | Cisco / Cliff Sojourner                              | Email (CSI-CLI-00607657-58)                                                                           | February 25, 1999               | Cisco IOS 12.2(14)SX   | April 14, 2003          |

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|--------------------------------------|--------------------------------|---------------------------------------|---------------------------------|-------------------------|-------------------------|
| show etherchannel                    | Cisco / Narendranath Mididaddi | BugID CSCdp18142 (CSI-CLI-01845682)   | October 13, 1999                | Cisco IOS 12.0(7)XE     | December 27, 1999       |
| show hostname                        | Cisco / Kirk Lougheed          | NX-OS 4.0(1)                          | April 21, 2008                  | NX-OS 4.0(1)            | April 21, 2008          |
| show hosts                           | Cisco / Kirk Lougheed          | ASM/AGS User Manual v5.2              | July 20, 1986                   | ASM/AGS 5.2             | July 20, 1986           |
| show interfaces                      | Cisco / Kirk Lougheed          | ASM/AGS User Manual v5.2              | July 20, 1986                   | ASM/AGS 5.2             | July 20, 1986           |
| show interfaces capabilities         | Cisco / Sukumar Subburayan     | BugID CSCdv39413 (CSI-CLI-01845690)   | September 20, 2001              | Cisco IOS 12.2(14)SX    | April 14, 2003          |
| show interfaces description          | Cisco / Jason Bos              | Email (CSI-CLI-00608675)              | September 18, 2000              | Cisco IOS 12.2(14)SX    | April 14, 2003          |
| show interfaces flowcontrol          | Cisco / Roberto Spadaro        | BugID CSCdv19377 (CSI-CLI-01845689)   | August 25, 2001                 | Cisco IOS 12.2(14)SX    | April 14, 2003          |
| show interfaces private-vlan mapping | Cisco / Dan Florea             | ENG-56211 v. I (CSI-CLI-00609514-35)  | January 16, 2001                | Cisco IOS 12.2(14)SX    | April 14, 2003          |
| show interfaces status               | Cisco / Steven Larson          | BugID CSCdm40488 (CSI-CLI-01845676)   | March 21, 1999                  | Cisco IOS 12.2(14)SX    | April 14, 2003          |
| show interfaces switchport           | Cisco / Frederick Scott        | ENG-14432 v. 11 (CSI-CLI-00608970-08) | April 13, 1998                  | Cisco IOS 12.2(14)SX    | April 14, 2003          |
| show interfaces switchport backup    | Cisco / Rohit Sharma           | EDCS-328530 v. 4                      | August 23, 2005                 | Cisco IOS 12.2(18)SXF   | September 12, 2005      |
| show interfaces transceiver          | Cisco / Vijay Gupta            | Email (CSI-CLI 00608710-11)           | July 30, 2003                   | Cisco IOS 12.2(17d)SXB2 | July 21, 2004           |
| show interfaces trunk                | Cisco / Steven Larson          | BugID CSCdm40488 (CSI-CLI-01845676)   | March 21, 1999                  | Cisco IOS 12.2(14)SX    | April 14, 2003          |

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|------------------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------|-------------------------|
| show inventory         | Cisco / Phillip Remaker, Solomon Tekle | EDCS-256748 (CSI-CLI-00610102-05)                                                                              | December 4, 2002                | Cisco IOS 12.3(4)T     | November 3, 2003        |
| show ip access-lists   | Cisco / Kirk Lougheed                  | Cisco IOS 10.3                                                                                                 | April 13, 1995                  | Cisco IOS 10.3         | April 13, 1995          |
| show ip arp            | Cisco / Kirk Lougheed                  | Cisco IOS 9                                                                                                    | December 1992                   | Cisco IOS 9            | December 1992           |
| show ip bgp            | Cisco / Kirk Lougheed                  | Cisco IOS 10                                                                                                   | 1993                            | Cisco IOS 10           | 1993                    |
| show ip bgp community  | Cisco / Mark Baushke                   | Source Code<br>(show_ip_bgp_community.trunk_103_nac2_alaska_cvs_repo.exec_show_ip_bgp.h.ann)                   | December 16, 1994               | Cisco IOS 10.3         | April 13, 1995          |
| show ip bgp neighbors  | Cisco / David Hampton                  | Source Code<br>(show_ip_bgp_neighbors.nfs_beyond.old_rel_9X_91_READONLY_91.1.READONLY_sys_gs.bgp.cmd.copypout) | March 9, 1992                   | Release 9.1            | September 1992          |
| show ip bgp paths      | Cisco / David Hampton                  | Source Code<br>(show_ip_bgp_neighbors.nfs_beyond.old_rel_9X_91_READONLY_91.1.READONLY_sys_gs.bgp.cmd.copypout) | March 9, 1992                   | Release 9.1            | September 1992          |
| show ip bgp peer-group | Cisco / Anthony Li                     | Source Code (exec_show_ip_bgp.h.ann)                                                                           | July 1, 1995                    | Cisco IOS 11           | September 18, 1995      |
| show ip bgp regexp     | Cisco / Robert Widmer                  | Source Code<br>(show_ip_bgp_regexp.trunk_100_nac0_cvs_repo.exec_show_ip_bgp.h.ann)                             | May 10, 1993                    | Cisco IOS 10           | 1993                    |

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| show ip bgp summary           | Cisco / David Hampton             | Source Code<br>(show_ip_bgp_neighbors.nfs_beyond.old_rel_9X_91_READONLY_91.1.READONLY_sys_gs.bgp.cmd.copypout) | March 9, 1992                   | Release 9.1              | September 1992          |
| show ip community-list        | Cisco / Anthony Li                | Source Code (exec_show_ip_community-list.h.ann)                                                                | July 1, 1995                    | Cisco IOS 11             | September 18, 1995      |
| show ip dhcp snooping         | Cisco / Dehua Huang, Adam Sweeney | EDCS-194356 rev. A (CSI-CLI-00610016-27)                                                                       | April 29, 2002                  | Cisco IOS 12.2(18)SXE    | April 11, 2005          |
| show ip extcommunity-list     | Cisco / Rex Fernando              | BugID CSCdp00845 (CSI-CLI-01845680)                                                                            | September 22, 1999              | Cisco IOS 12.1           | March 30, 2000          |
| show ip helper-address        | Cisco / Patrick Mahan             | Source Code (exec_show_ip.h.ann)                                                                               | June 28, 2002                   | Cisco IOS 12.3(2)T       | July 28, 2003           |
| show ip igmp groups           | Cisco / Mark Baushke              | Source Code<br>(show_ip_igmp_groups.trunk_102_nac1_alabama_cvs_repo.exec_show_ip_igmp.h.ann)                   | July 9, 1994                    | Cisco IOS 10             | 1993                    |
| show ip igmp interface        | Cisco / Mark Baushke              | Source Code<br>(show_ip_igmp_groups.trunk_102_nac1_alabama_cvs_repo.exec_show_ip_igmp.h.ann)                   | July 9, 1994                    | Cisco IOS 10             | 1993                    |
| show ip igmp snooping         | Cisco / Senthil Arunachalam       | Email (CSI-CLI-00608673)                                                                                       | August 2, 2000                  | Cisco IOS 12.0(5.2)WC(1) | April 2001              |
| show ip igmp snooping groups  | Cisco / Nagarani Chandika         | EDCS-255281 v. 4 (CSI-CLI-00610330-52)                                                                         | August 18, 2003                 | Cisco IOS 12.4(15)T      | June 29, 2007           |
| show ip igmp snooping mrouter | Cisco / Senthil Arunachalam       | Email (CSI-CLI-00608673)                                                                                       | August 2, 2000                  | Cisco IOS 12.0(5.2)WC(1) | April 2001              |

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| show ip igmp snooping querier | Cisco / Nagarani Chandika     | Email (CSI-CLI 00608707-08)                                                         | February 27, 2003               | NX-OS 4.0(1)           | April 21, 2008          |
| show ip interface             | Cisco / Kirk Lougheed         | Gateway Server Update                                                               | April 24, 1989                  | Release 7.0/7.1        | April 24, 1989          |
| show ip interface brief       | Cisco / Anthony Li            | Bug ID CSCdi14533 (CSI-CLI-1339831, CSI-CLI-133950)                                 | October 31, 1993                | Cisco IOS 10           | 1993                    |
| show ip mfib                  | Cisco / Daniel Williston      | Source Code (show_ip_mfib.clearcase.main.mcast6_conn_isp.1.ipv4_mfib_chain.c.ann)   | December 9, 2002                | Cisco IOS XE 2.1       | May 5, 2008             |
| show ip mroute                | Cisco / Mark Baushke          | Source Code (show_ip_mroute.trunk_102_nac1_alabama_cvs_repo.exec_show_ip_pim.h.ann) | July 9, 1994                    | Cisco IOS 10           | 1993                    |
| show ip mroute count          | Cisco / Mark Baushke          | Source Code (show_ip_mroute.trunk_102_nac1_alabama_cvs_repo.exec_show_ip_pim.h.ann) | July 9, 1994                    | Cisco IOS 10           | 1993                    |
| show ip msdp mesh-group       | Cisco / Dino Farinacci        | Source Code (msdp.cmds.ann)                                                         | October 14, 2007                | NX-OS 4.0(1)           | April 21, 2008          |
| show ip msdp peer             | Cisco / Dino Farinacci        | BugID CSCdk49648 (CSI-CLI-01845673)                                                 | September 21, 1998              | Cisco IOS 12.0(7)T     | December 13, 1999       |
| show ip msdp rpf-peer         | Cisco / Swapna Yelamanchi     | Email (CSI-CLI-00607609)                                                            | April 11, 2003                  | Cisco IOS 12.3(4)T     | November 3, 2003        |
| show ip msdp sa-cache         | Cisco / Dino Farinacci        | BugID CSCdk49648 (CSI-CLI-01845673)                                                 | September 21, 1998              | Cisco IOS 12.0(7)T     | December 13, 1999       |
| show ip msdp summary          | Cisco / Dino Farinacci        | BugID CSCdk49648 (CSI-CLI-01845673)                                                 | September 21, 1998              | Cisco IOS 12.0(7)T     | December 13, 1999       |
| show ip nat translations      | Cisco / Andy Heffernan        | Email (CSI-CLI00608588-90)                                                          | April 9, 1996                   | Cisco IOS 11.2         | October 1996            |

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| show ip ospf                           | Cisco / Robert Widmer          | Source Code (show_ip_ospf_border-routers.trunk_100_nac0_cvs_repo.exec_show_ip_ospf.h.ann)  | May 10, 1993                    | Cisco IOS 10           | 1993                    |
| show ip ospf border-routers            | Cisco / Arpakorn Boonkongchuen | Bug ID CSCdi13304 (CSI-CLI-1339837, CSI-CLI-1339864-65)                                    | November 23, 1993               | Cisco IOS 10           | 1993                    |
| show ip ospf database database-summary | Cisco / Arpakorn Boonkongchuen | BugID CSCdi26679 (CSI-CLI-01845664)                                                        | November 11, 1994               | Cisco IOS 11           | September 18, 1995      |
| show ip ospf interface                 | Cisco / Robert Widmer          | Source Code (show_ip_ospf_border-routers.trunk_100_nac0_cvs_repo.exec_show_ip_ospf.h.ann)  | May 10, 1993                    | Cisco IOS 10           | 1993                    |
| show ip ospf neighbor                  | Cisco / Robert Widmer          | Source Code (show_ip_ospf_border-routers.trunk_100_nac0_cvs_repo.exec_show_ip_ospf.h.ann)  | May 10, 1993                    | Cisco IOS 10           | 1993                    |
| show ip ospf request-list              | Cisco / Arpakorn Boonkongchuen | Source Code (show_ip_ospf_border-routers.trunk_100_nac0_cvs_repo.exec_show_ip_ospf.h.ann)  | November 12, 1994               | Cisco IOS 10.2         | October 4, 1994         |
| show ip ospf retransmission-list       | Cisco / Arpakorn Boonkongchuen | BugID CSCdi26679 (CSI-CLI-01845664)                                                        | November 11, 1994               | Cisco IOS 10.2         | October 4, 1994         |
| show ip pim interface                  | Cisco / Mark Baushke           | Source Code (show_ip_pim_interface.trunk_102_nac1_alabama_cvs_repo.exec_show_ip_pim.h.ann) | July 9, 1994                    | Cisco IOS 10           | 1993                    |
| show ip pim neighbor                   | Cisco / Mark Baushke           | Source Code (show_ip_pim_interface.trunk_102_nac1_alabama_cvs_repo.exec_show_ip_pim.h.ann) | July 9, 1994                    | Cisco IOS 10           | 1993                    |



| Command Expression      | Author/Originator Information                   | Earliest Known Document                                                                                                         | Date of Earliest Known Document | First Operating System | First Distribution Date |
|-------------------------|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------|-------------------------|
| show ip pim rp          | Cisco / Mark Baushke                            | Source Code (show_ip_mroute.trunk_102_nac1_alabama_cvs_repo.exec_show_ip_pim.h.ann)                                             | July 9, 1994                    | Cisco IOS 10.2         | October 4, 1994         |
| show ip pim rp-hash     | Cisco / Liming Wei                              | ENG-12945 (CSI-CLI-00608891-99)                                                                                                 | April 3, 1997                   | Cisco IOS 11.3T        | December 15, 1997       |
| show ip prefix-list     | Cisco / Enke Chen                               | Source Code (exec_show_ip_prefixlist.h.ann)                                                                                     | December 17, 1997               | Cisco IOS 12           | September 1998          |
| show ip rip database    | Cisco / Dawn Shauming Li                        | Email (CSI-CLI-00608596)                                                                                                        | May 4, 1998                     | Cisco IOS 12.0(6)T     | September 20, 1999      |
| show ip rip neighbors   | Cisco / Muneer Pasha                            | BugID CSCtb74268 (CSI-CLI-01339826-30, CSI-CLI-11339855)                                                                        | August 27, 2010                 | Cisco IOS XE 3.3       | March 30, 2011          |
| show ip route           | Cisco / Kirk Loughheed                          | Gateway Server Update                                                                                                           | April 24, 1989                  | Gateway Server Update  | 1992-1995               |
| show ip route summary   | Cisco / Robert Widmer                           | Source Code (show_ip_route_summary.nfs_beyond.old_rel_9X_921_READONLY_921.1.READONLY_sys_parser.exec_show_ip_routing.h.copyout) | March 5, 2010                   | Cisco IOS 10           | 1993                    |
| show ip route tag       | Cisco / Divakaran Baskaran, Karthik Subramaniam | EDCS-1032802 rev. 7 (CSI-CLI-00611081-99)                                                                                       | August 24, 2011                 | Cisco IOS 15.2(2)S     | March 30, 2012          |
| show ipv6 access-list   | Cisco / Ole Troan                               | ENG-66740 (CSI-CLI-00609397-405) , Email                                                                                        | February 4, 2000                | Cisco IOS 12.2(2)T     | May 25, 2001            |
| show ipv6 bgp           | Cisco / Dhananjaya Rao                          | Source Code (bgp.cmds.ann)                                                                                                      | December 22, 2005               | NX-OS 4.0(1)           | April 21, 2008          |
| show ipv6 bgp community | Cisco / Nataraj Bacthu                          | Source Code (bgp.cmds.ann)                                                                                                      | April 29, 2005                  | NX-OS 4.0(1)           | April 21, 2008          |
| show ipv6 bgp neighbors | Cisco / Nataraj Bacthu                          | Source Code (bgp.cmds.ann)                                                                                                      | April 29, 2005                  | NX-OS 4.0(1)           | April 21, 2008          |

| Command Expression            | Author/Originator Information    | Earliest Known Document                                                       | Date of Earliest Known Document | First Operating System | First Distribution Date |
|-------------------------------|----------------------------------|-------------------------------------------------------------------------------|---------------------------------|------------------------|-------------------------|
| show ipv6 bgp summary         | Cisco / Nataraj Bacthu           | Source Code (bgp.cmds.ann)                                                    | April 29, 2005                  | NX-OS 4.0(1)           | April 21, 2008          |
| show ipv6 interface           | Cisco / Pedro Marques            | Source Code (main/califpv6/1)                                                 | May 14, 1997                    | Cisco IOS 12.2(2)T     | May 25, 2001            |
| show ipv6 neighbors           | Cisco / Pedro Marques            | Source Code (main/califpv6/1)                                                 | May 14, 1997                    | Cisco IOS 12.2(2)T     | May 25, 2001            |
| show ipv6 ospf                | Cisco / Abhay Roy                | Source Code (exec_show_ip_ospfv3.h.ann)                                       | June 4 2001                     | Cisco IOS 12.0(24)S    | August 26, 2003         |
| show ipv6 ospf border-routers | Cisco / Abhay Roy                | ENG-112494 rev. B (CSI-CLI-00609752-769)                                      | August 31, 2001                 | Cisco IOS 12.0(24)S    | August 26, 2003         |
| show ipv6 ospf interface      | Cisco / Abhay Roy                | ENG-112494 rev. B (CSI-CLI-00609752-769)                                      | August 31, 2001                 | Cisco IOS 12.0(24)S    | August 26, 2003         |
| show ipv6 ospf neighbor       | Cisco / Abhay Roy                | ENG-112494 rev. B (CSI-CLI-00609752-769)                                      | August 31, 2001                 | Cisco IOS 12.0(24)S    | August 26, 2003         |
| show ipv6 prefix-list         | Cisco / Ole Troan                | Source Code (main/heimskringla/2)                                             | June 21, 2000                   | Cisco IOS 12.2(2)T     | May 25, 2001            |
| show ipv6 route               | Cisco / Pedro Marques, Ole Troan | Source Code (main/califpv6/1)                                                 | May 14, 1997                    | Cisco IOS 12.2(2)T     | May 25, 2001            |
| show ipv6 route summary       | Cisco / Pedro Marques            | Source Code (main/califpv6/1)                                                 | May 14, 1997                    | Cisco IOS 12.2(2)T     | May 25, 2001            |
| show ipv6 route tag           | Cisco / Ole Troan                | Email (CSI-CLI-00608663-72)                                                   | February 4, 2000                | Cisco IOS 15.2(2)S     | March 30, 2012          |
| show isis database            | Cisco / Robert Widmer            | Source Code (show_isis_database.trunk_100_nac0_cvs_repo.exec_show_isis.h.ann) | June 14, 1992                   | Cisco IOS 10           | 1993                    |

| Command Expression                | Author/Originator Information                            | Earliest Known Document                  | Date of Earliest Known Document | First Operating System | First Distribution Date |
|-----------------------------------|----------------------------------------------------------|------------------------------------------|---------------------------------|------------------------|-------------------------|
| show isis interface               | Cisco / Nataraj Bacthu                                   | Source Code (isis.cmds.ann), EDCS-519464 | April 29, 2005                  | NX-OS 4.0(1)           | April 21, 2008          |
| show isis topology                | Cisco / Henk Smit                                        | BugID CSCdk17921 (CSI-CLI-01845671)      | June 21, 1998                   | Cisco IOS 12.0(26)S    | August 26, 2003         |
| show lacp counters                | Cisco / Massimiliano Ardica, Saci Nambakkam, Edward Pham | ENG-120379 v. 1 (CSI -CLI-00609553-70)   | May 7, 2001                     | NX-OS 4                | April 3, 2008           |
| show lacp interface               | Cisco / Gridihar Rajaram                                 | Source code (lacp.cmd.ann)               | October 30, 2007                | NX-OS 4                | April 3, 2008           |
| show lacp neighbor                | Cisco / Massimiliano Ardica, Saci Nambakkam, Edward Pham | ENG-120379 v. 1 (CSI -CLI-00609553-70)   | May 7, 2001                     | NX-OS 4                | April 3, 2008           |
| show link state group             | Cisco / Yogesh Kaushik                                   | Email (CSI-CLI-00608729)                 | October 29, 2004                | Cisco IOS 15.1(1)S     | November 23, 2010       |
| show lldp                         | Cisco / Devadas Patil                                    | EDCS-487707 v. 1 (CSI -CLI-01507526-44)  | November 16, 2005               | Cisco IOS 12.2(33)SXH  | August 21, 2007         |
| show lldp neighbors               | Cisco / Devadas Patil                                    | EDCS-487707 v. 1 (CSI -CLI-01507526-44)  | November 16, 2005               | Cisco IOS 12.2(33)SXH  | August 21, 2007         |
| show lldp traffic                 | Cisco / Devadas Patil                                    | EDCS-487707 v. 1 (CSI -CLI-01507526-44)  | November 16, 2005               | Cisco IOS 12.2(33)SXH  | August 21, 2007         |
| show mac access-lists             | Cisco / Atul Kumar                                       | EDCS-517457 v. 12 (CSI -CLI-01508948-74) | January 17, 2007                | NX-OS 4.0(1)           | April 21, 2008          |
| show mac-address-table            | Cisco / Alan Liebthal                                    | Email (CSI-CLI-00608618-21)              | May 19, 1998                    | Cisco IOS 11.2(8)SA3   | 1997- 2002              |
| show mac-address-table aging time | Cisco / Alan Liebthal                                    | Email (CSI-CLI-00608618-21)              | May 19, 1998                    | Cisco IOS 11.2(8)SA3   | 1997- 2002              |

| Command Expression                      | Author/Originator Information                                             | Earliest Known Document                                                         | Date of Earliest Known Document | First Operating System | First Distribution Date |
|-----------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------|------------------------|-------------------------|
| show mac-address-table count            | Cisco / Ramesh Santhanakrishnan                                           | Source Code (exec_show_mac_tbl.h.ann)                                           | July 9, 2000                    | Cisco IOS 11.2(8)SA3   | 1997- 2002              |
| show module                             | Cisco / Cliff Sojourner                                                   | BugID CSCdm50858 (CSI-CLI-01845677)                                             | July 15, 1999                   | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| show monitor session                    | Cisco / Forrest Tanaka                                                    | BugID CSCdp12610                                                                | October 4, 1999                 | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| show ntp associations                   | Cisco / David Katz                                                        | Source Code (ntp_authenticate.921.1.copyout.cfg_ntp.h)                          | December 29, 1992               | Cisco IOS 10           | 1993                    |
| show ntp status                         | Cisco / David Katz                                                        | Source Code (show_ntp_associations.trunk_100_nac0_cvs_repo.exec_show_ntp.h.ann) | January 9, 1993                 | Cisco IOS 10           | 1993                    |
| show policy-map control-plane           | Cisco / Wayne Ogozaly, Mike Keohane, Adrian Smethurst, Rajiv Raghunarayan | Email (CS-CLI-00777705-06) EDCS-216047 v. 4 (CSI-CLI-00610197-222)              | December 16, 2002               | Cisco IOS 12.2(18)S    | August 21, 2003         |
| show policy-map interface               | Cisco / Murali Bashyam                                                    | CSCdk76944 (CSI-CLI-01845674)                                                   | December 22, 1998               | Cisco IOS 12.0(5)T     | July 27, 1999           |
| show policy-map interface control-plane | Cisco / Vikas Gupta                                                       | Source Code (copp_cli.cmd.ann)                                                  | January 8, 2008                 | NX-OS 6.2(2)           | August 22, 2013         |
| show port-channel summary               | Cisco / Yiqing Zhu                                                        | Source Code (pcm_common.cmd.ann)                                                | September 5, 2007               | NX-OS 4                | April 3, 2008           |
| show port-channel traffic               | Cisco / Yiqing Zhu                                                        | Source Code (eth_pcm.cmd)                                                       | December 4, 2007                | NX-OS 4                | April 3, 2008           |
| show port-security                      | Cisco / Jimit Mehta                                                       | Email (CSI-CLI-00608693-95)                                                     | August 9, 2001                  | Cisco IOS 12.2(14)SX   | April 14, 2003          |

| Command Expression           | Author/Originator Information  | Earliest Known Document                                                               | Date of Earliest Known Document | First Operating System | First Distribution Date |
|------------------------------|--------------------------------|---------------------------------------------------------------------------------------|---------------------------------|------------------------|-------------------------|
| show port-security address   | Cisco / Jimit Mehta            | Email (CSI-CLI-00608693-95)                                                           | August 9, 2001                  | Cisco IOS 12.2(18)SXE  | April 11, 2005          |
| show port-security interface | Cisco / Jimit Mehta            | Email (CSI-CLI-00608693-95)                                                           | August 9, 2001                  | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| show privilege               | Cisco / Robert Widmer          | Source Code (show_privilege.trunk_103_nac2_alaska_cvs_repo.exec_show_privilege.h.ann) | December 16, 1994               | Cisco IOS 10.3         | April 13, 1995          |
| show ptp clock               | Cisco / Tong Liu               | Email (CSI-CLI-00846643)                                                              | June 25, 2008                   | NX-OS 5.2(1)           | July 29, 2011           |
| show ptp parent              | Cisco / Tong Liu               | Email (CSI-CLI-00846643)                                                              | June 25, 2008                   | NX-OS 5.2(1)           | July 29, 2011           |
| show ptp time-property       | Cisco / Rohit Watve            | Source Code (ptp.cmd.503.ann)                                                         | October 12, 2009                | NX-OS 5.2(1)           | July 29, 2011           |
| show qos maps                | Cisco / Prasanna Parthasarathy | BugID CSCdu82660 (CSI-CLI-01845688)                                                   | July 26, 2001                   | Cisco IOS 12.1(8a)EW   | January 16, 2002        |
| show radius                  | Cisco / Gopala Andagunda       | Source Code (radius_tree.cmd.ann)                                                     | November 14, 2006               | NX-OS 4.0(1)           | April 21, 2008          |
| show redundancy states       | Cisco / Thomas Berry           | Source Code (exec_show_redundancy.h.ann)                                              | February 2, 2000                | Cisco IOS 12.2(20)S    | October 29, 2003        |
| show reload                  | Cisco / David Katz             | Source Code (exec_show_reload.h.ann)                                                  | September 24, 1995              | Cisco IOS 11.2         | October 1996            |
| show role                    | Cisco / Ji Wook Jo             | Source Code (vshd.cmd.ann)                                                            | August 24, 2007                 | NX-OS 4.0(1)           | April 21, 2008          |
| show route-map               | Cisco / Hung-Wen Su            | ENG-26419                                                                             | August 12, 1998                 | Cisco IOS 10           | 1993                    |
| show snmp                    | Cisco / Robert Snyder          | Source Code (show_snmp.trunk_100_nac0_cvs_repo.exec_show_snmp.h.ann)                  | August 4, 1992                  | Cisco IOS 10           | 1993                    |

| Command Expression         | Author/Originator Information   | Earliest Known Document                                                         | Date of Earliest Known Document | First Operating System | First Distribution Date |
|----------------------------|---------------------------------|---------------------------------------------------------------------------------|---------------------------------|------------------------|-------------------------|
| show snmp chassis          | Cisco / Paul Heller             | Source Code<br>(show_snmp_chassis.clearcase.main.malibu.1.exec_show_snmp.h.ann) | December 6, 1996                | Cisco IOS 12.4(12)T    | June 29, 2007           |
| show snmp community        | Cisco / Jeffrey Johnson         | BugID CSCdj03428                                                                | March 12, 1997                  | Cisco IOS 12.4(12)T    | June 29, 2007           |
| show snmp contact          | Cisco / Paul Heller             | Source Code<br>(show_snmp_chassis.clearcase.main.malibu.1.exec_show_snmp.h.ann) | December 6, 1996                | Cisco IOS 12.4(12)T    | June 29, 2007           |
| show snmp engineID         | Cisco / Ramanthan Kavasseri     | ENG-28473 rev.B (CSI-CLI-00609071-83); Email (CSI-CLI-0060826-830)              | October 19, 1998                | Cisco IOS 12.0(3)T     | January 21, 1999        |
| show snmp group            | Cisco / Ramanthan Kavasseri     | ENG-26165 (CSI -CLI-00609054-62)                                                | August 5, 1998                  | Cisco IOS 12.0(3)T     | January 21, 1999        |
| show snmp host             | Cisco / Ramanthan Kavasseri     | ENG-28473 rev.B (CSI-CLI-00609071-83); Email (CSI-CLI-0060826-830)              | October 19, 1998                | Cisco IOS 12.4(12)T    | June 29, 2007           |
| show snmp location         | Cisco / Paul Heller             | Source Code<br>(show_snmp_chassis.clearcase.main.malibu.1.exec_show_snmp.h.ann) | December 6, 1996                | Cisco IOS 12.4(12)T    | June 29, 2007           |
| show snmp mib              | Cisco / Robert Snyder           | Source Code<br>(show_snmp.trunk_100_nac0_cvs_repo.exec_show_snmp.h.ann)         | July 22, 1993                   | Cisco IOS 12.2(2)T     | May 25, 2001            |
| show snmp source-interface | Cisco / Gowtham Krishna Bollina | Source Code (snmp.cmd)                                                          | December 1, 2008                | NX-OS 4.2(1)           | August 10, 2009         |
| show snmp trap             | Cisco / Rajeeva Narayanaswamy   | Source Code (snmp.cmd)                                                          | January 24, 2008                | NX-OS 4.0(1)           | April 21, 2008          |

| Command Expression                   | Author/Originator Information | Earliest Known Document                                              | Date of Earliest Known Document | First Operating System | First Distribution Date |
|--------------------------------------|-------------------------------|----------------------------------------------------------------------|---------------------------------|------------------------|-------------------------|
| show snmp user                       | Cisco / Ramanthan Kavasseri   | ENG-26165 (CSI -CLI-00609054-62)                                     | August 5, 1998                  | Cisco IOS 12.0(3)T     | January 21, 1999        |
| show snmp view                       | Cisco / Anthony Li            | Source Code (show_snmp.trunk_100_nac0_cvs_repo.exec_show_snmp.h.ann) | July 4, 1995                    | Cisco IOS 12.4(2)T     | June 27, 2005           |
| show spanning-tree                   | Cisco / Kirk Lougheed         | Cisco IOS 12.0(1)T                                                   | November 2, 1998                | Cisco IOS 12.0(1)T     | November 2, 1998        |
| show spanning-tree blockedports      | Cisco / Tameen Khan           | Source Code (stp.cmd.ann)                                            | December 11, 2006               | NX-OS 4                | April 3, 2008           |
| show spanning-tree bridge            | Cisco / Tameen Khan           | Source Code (stp.cmd.ann)                                            | December 11, 2006               | NX-OS 4                | April 3, 2008           |
| show spanning-tree interface         | Cisco                         | NX-OS 4                                                              | April 3, 2008                   | NX-OS 4                | April 3, 2008           |
| show spanning-tree mst               | Cisco / François Tallet       | ENG-103148 v. 8 (CSI -CLI-00609986-CSI -CLI-00610015 )               | April 10, 2002                  | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| show spanning-tree mst configuration | Cisco / François Tallet       | ENG-103148 v. 8 (CSI -CLI-00609986-CSI -CLI-00610015 )               | April 10, 2002                  | NX-OS 4                | April 3, 2008           |
| show spanning-tree mst interface     | Cisco / François Tallet       | ENG-103148 v. 8 (CSI -CLI-00609986-CSI -CLI-00610015 )               | April 10, 2002                  | NX-OS 4                | April 3, 2008           |
| show spanning-tree root              | Cisco / Tameen Khan           | Source Code (stp.cmd.ann)                                            | November 2, 2005                | NX-OS 4                | April 3, 2008           |
| show storm-control                   | Cisco / Wenhui Zhao           | Source Code (exec_eswilp_storm_control.h.ann)                        | July 3, 2001                    | Cisco IOS 12.2(2)XT    | December 3, 2001        |
| show tacacs                          | Cisco / Laurence Grant        | Email (CSI-CLI-00608587)                                             | February 9, 1996                | Cisco IOS 11.2         | October 1996            |

| Command Expression       | Author/Originator Information | Earliest Known Document                                                       | Date of Earliest Known Document | First Operating System | First Distribution Date |
|--------------------------|-------------------------------|-------------------------------------------------------------------------------|---------------------------------|------------------------|-------------------------|
| show track               | Cisco / Douglas McClaggen     | Source Code (show_track.clearcase.main.flo_isp_pi_g.1.exec_show_track.h.ann)  | March 25, 2002                  | Cisco IOS 12.2(15)T    | March 17, 2003          |
| show user-account        | Cisco / Gopala Andagunda      | Source Code (security_tree.cmd.ann)                                           | July 16, 2007                   | NX-OS 4.0(1)           | April 21, 2008          |
| show users               | Cisco / Kirk Loughheed        | ASM/AGS User Manual v5.2                                                      | July 20, 1986                   | ASM/AGS 5.2            | July 20, 1986           |
| show version             | Cisco                         | Cisco IOS 9                                                                   | December 1992                   | Cisco IOS 9            | December 1992           |
| show vlan                | Cisco / Frederick Scott       | ENG-14432 v. 8 (CSI-CLI-00608871-90)                                          | July 25, 1997                   | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| show vlan internal usage | Cisco / Weng Hong Chan        | Email (CSI-CLI-00608699-700)                                                  | November 13, 2001               | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| show vlan private-vlan   | Cisco / Dan Florea            | ENG-56211 v. I (CSI-CLI-00609514-35)                                          | January 16, 2001                | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| show vlan summary        | Cisco / Weng Hong Chan        | Email (CSI-CLI-00608699-700)                                                  | November 13, 2001               | NX-OS 4                | April 3, 2008           |
| show vrf                 | Cisco / Luc Revardel          | Email (CSI-CLI-006088723-24)                                                  | August 31, 2004                 | Cisco IOS 12.2(33)SRB  | February 28, 2007       |
| show vrrp                | Cisco / Graham Critchfield    | ENG-67758 v1 (CSI-CLI-00609406-428)                                           | June 9, 2000                    | Cisco IOS 12.0(18)ST   | June 4, 2001            |
| snmp trap link-status    | Cisco / Kenneth Roberts       | BugID CSCdi14808 (CSI-CLI-01845663)                                           | November 11, 1993               | Cisco IOS 10           | 1993                    |
| snmp-server chassis-id   | Cisco / Carl Schaefer         | Source Code (snmp-server_view.trunk_102_nac1_alabama_cvs_repo.cfg_snmp.h.ann) | February 28, 1993               | Cisco IOS 10           | 1993                    |
| snmp-server community    | Cisco / Greg Satz             | Gateway Server Update                                                         | April 24, 1989                  | Release 7.0/7.1        | April 24, 1989          |



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|------------------------------|-------------------------------|-------------------------------------------------------------------------------|---------------------------------|------------------------|---------------------------|
| snmp-server contact          | Cisco / Robert Widmer         | Source Code (snmp-server_view.trunk_102_nac1_alabama_cvs_repo.cfg_snmp.h.ann) | June 14, 1992                   | Cisco IOS 10           | 1993                      |
| snmp-server enable traps     | Cisco / Chifei W. Cheng       | BugID CSCdi27173 (CSI-CLI-01845665-66)                                        | November 29, 1994               | Cisco IOS 10.3         | April 13, 1995            |
| snmp-server engineID local   | Cisco / Ramanthan Kavasseri   | ENG-28473 rev.B (CSI-CLI-00609071-83); Email (CSI-CLI-0060826-830)            | October 19, 1998                | Cisco IOS 12.0(3)T     | January 21, 1999          |
| snmp-server engineID remote  | Cisco / Ramanthan Kavasseri   | ENG-28473 rev.B (CSI-CLI-00609071-83); Email (CSI-CLI-0060826-830)            | October 19, 1998                | Cisco IOS 12.0(3)T     | January 21, 1999          |
| snmp-server group            | Cisco Ramanthan Kavasseri     | Source Code (cfg_snmp.h.ann.v120t_3_pi)                                       | November 3, 1998                | Cisco IOS 11.(3)T      | December 15, 1997         |
| snmp-server host             | Cisco / Greg Satz             | Gateway Server Update                                                         | April 24, 1989                  | Release 7.0/7.1        | April 24, 1989            |
| snmp-server location         | Cisco / Robert Widmer         | Source Code (snmp-server_view.trunk_102_nac1_alabama_cvs_repo.cfg_snmp.h.ann) | June 14, 1992                   | Cisco IOS 10           | 1993                      |
| snmp-server source-interface | Cisco / Bruce Pinsky          | Email (CSI-CLI-00796650)                                                      | August 3, 2004                  | Cisco IOS 12.2(18)SXB2 | March 2004-September 2006 |
| snmp-server user             | Cisco / Ramanthan. Kavasseri  | ENG-26165 (CSI-CLI-00609054-62)                                               | August 5, 1998                  | Cisco IOS 12.0(3)T     | January 21, 1999          |
| snmp-server view             | Cisco / Kenneth Roberts       | Source Code (snmp-server_view.trunk_102_nac1_alabama_cvs_repo.cfg_snmp.h.ann) | August 8, 1994                  | Cisco IOS 10           | 1993                      |
| spanning-tree bpdupfilter    | Cisco / François Tallet       | ENG-103148 v. 6 (CSI -CLI-00609871-93)                                        | October 31, 2001                | Cisco IOS 12.2(14)SX   | April 14, 2003            |

| Command Expression                         | Author/Originator Information | Earliest Known Document                                                           | Date of Earliest Known Document | First Operating System | First Distribution Date |
|--------------------------------------------|-------------------------------|-----------------------------------------------------------------------------------|---------------------------------|------------------------|-------------------------|
| spanning-tree bpduguard                    | Cisco / François Tallet       | ENG-103148 v. 6 (CSI -CLI-00609871-93)                                            | October 31, 2001                | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| spanning-tree bridge assurance             | Cisco / Patnala Rao           | Source Code (cfg_stp.h.ann)                                                       | October 16, 2007                | Cisco IOS 12.2(33)SXI  | November 11, 2008       |
| spanning-tree cost                         | Cisco / Bill Rainey           | Source Code (spanning-tree_cost.clearcase.main.cosmos.1.cfg_int_stp_switch.h.ann) | January 4, 1999                 | Cisco IOS 12.0(7)XE    | December 27, 1999       |
| spanning-tree guard                        | Cisco / Christian Benvenuti   | ENG-103148 v. 1 (CSI -CLI-00609609-24)                                            | May 16, 2001                    | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| spanning-tree link-type                    | Cisco / Francois Tallet       | ENG-103148 v. 3(CSI -CLI-00609728-51)                                             | September 4, 2001               | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| spanning-tree loopguard default            | Cisco / Francois Tallet       | Email (CSI-CLI-00608697-98)                                                       | September 26, 2001              | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| spanning-tree mode                         | Cisco / Bill Rainey           | ENG-56419 (CSI-CLI-00609429-59)                                                   | July 17, 2000                   | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| spanning-tree mst configuration            | Cisco / Francois Tallet       | Email (CSI-CLI-06008690-92)                                                       | July 23, 2001                   | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| spanning-tree portfast bpdupfilter default | Cisco / François Tallet       | ENG-103148 v. 6 (CSI -CLI-00609871-93)                                            | October 31, 2001                | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| spanning-tree portfast bpduguard default   | Cisco / François Tallet       | ENG-103148 v. 6 (CSI -CLI-00609871-93)                                            | October 31, 2001                | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| spanning-tree port-priority                | Cisco / Bill Rainey           | Source Code (spanning-tree_cost.clearcase.main.cosmos.1.cfg_int_stp_switch.h.ann) | January 4, 1999                 | Cisco IOS 12.0(7)XE    | December 27, 1999       |

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|-----------------------------------|-------------------------------|-----------------------------------------------------------------------------------|---------------------------------|------------------------|-------------------------|
| spanning-tree transmit hold-count | Cisco / Francois Tallet       | Email (CSI-CLI-00608730-32)                                                       | February 18, 2005               | Cisco IOS 12.2(18)SXF  | September 12, 2005      |
| spanning-tree vlan                | Cisco / Bill Rainey           | Source Code (spanning-tree_vlan.clearcase.main.cosmos.1.cfg_stp_switch.h.ann)     | January 4, 1999                 | Cisco IOS 12.0(7)XE    | December 27, 1999       |
| spf-interval                      | Cisco / David Katz            | Source Code (spf-interval.trunk_102_nac1_alabama_cvs_repo.cfg_route_r_isis.h.ann) | November 23, 1994               | Cisco IOS 10.3         | April 13, 1995          |
| statistics per-entry              | Cisco / Rituparna Agrawal     | Source Code (aclmgr.cmd.403.ann)                                                  | April 29, 2005                  | NX-OS 4.0(1)           | April 21, 2008          |
| storm-control                     | Cisco / Eleza Cheng           | Email (CSI-CLI-00608688-89)                                                       | July 18, 2001                   | Cisco IOS 12.2(2)XT    | December 3, 2001        |
| switchport access vlan            | Cisco / Frederick Scott       | ENG-14432 v. 11 (CSI-CLI-00608970-08)                                             | April 13, 1998                  | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| switchport backup interface       | Cisco / Adam Sweeney          | Email (CSI-CLI-00608716-19)                                                       | April 7, 2004                   | Cisco IOS 12.2(18)SXF  | September 12, 2005      |
| switchport mode                   | Cisco / Rick Pratt            | Email (CSI-CLI-000608597-617)                                                     | May 11, 1998                    | Cisco IOS 12.0(7)XE    | December 27, 1999       |
| switchport port-security          | Cisco / Jimit Mehta           | Email (CSI-CLI-00608693-95)                                                       | August 9, 2001                  | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| switchport port-security maximum  | Cisco / Jimit Mehta           | Email (CSI-CLI-00608693-95)                                                       | August 9, 2001                  | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| switchport private-vlan mapping   | Cisco / Dan Florea            | ENG-56211 v. I (CSI-CLI-00609514-35)                                              | January 16, 2001                | Cisco IOS 12.2(14)SX   | April 14, 2003          |

| Command Expression            | Author/Originator Information | Earliest Known Document                    | Date of Earliest Known Document | First Operating System | First Distribution Date |
|-------------------------------|-------------------------------|--------------------------------------------|---------------------------------|------------------------|-------------------------|
| switchport trunk allowed vlan | Cisco / Frederick Scott       | ENG-14432 v. 11 (CSI-CLI-00608970-08)      | April 13, 1998                  | Cisco IOS 12.0(7)XE    | December 27, 1999       |
| switchport trunk native vlan  | Cisco / Frederick Scott       | ENG-14432 v. 11 (CSI-CLI-00608970-08)      | April 13, 1998                  | Cisco IOS 12.0(7)XE    | December 27, 1999       |
| switchport vlan mapping       | Cisco / Pan Chun Wen          | Email (CSI-CLI-00608705-06)                | February 6, 2003                | Cisco IOS 12.2(17b)SXA | December 31, 2003       |
| tacacs-server host            | Cisco / Greg Satz             | Terminal Server Update                     | April 24, 1989                  | Release 7.0/7.1        | April 24, 1989          |
| tacacs-server key             | Cisco / David Hampton         | Source Code (cfg_tacacs_plus.h.ann)        | February 1, 1996                | Cisco IOS 11.1         | March 1996              |
| tacacs-server timeout         | Cisco / Greg Satz             | Release 8.0 Beta Notes                     | September 14, 1989              | Release 7.0/7.1        | April 24, 1989          |
| terminal length               | Cisco / Kirk Lougheed         | ASM/AGS User Manual v5.2                   | July 20, 1986                   | ASM/AGS 5.2            | July 20, 1986           |
| terminal monitor              | Cisco / Greg Satz             | Gateway Server Reference Manual Rev. B     | January 10, 1988                | Release 8.0            | September 14, 1989      |
| timers basic (RIP)            | Cisco / Kirk Lougheed         | Release 8.0 Beta Notes                     | September 14, 1989              | Release 8.0            | September 14, 1989      |
| timers bgp                    | Cisco / Kirk Lougheed         | Cisco IOS 10                               | 1993                            | Cisco IOS 10           | 1993                    |
| timers lsa arrival            | Cisco / Pratapa Pellakaru     | BugID CSCdt21415 (CSI-CLI-01845686)        | December 11, 2002               | Cisco IOS 12.0(24)S    | August 26, 2003         |
| timers throttle lsa all       | Cisco / Pratapa Pellakaru     | BugID CSCdt21415 (CSI-CLI-01845686)        | December 11, 2002               | Cisco IOS 12.0(24)S    | August 26, 2003         |
| timers throttle spf           | Cisco / George Millard        | Source Code (cfg_router_timers_ospf.h.ann) | March 27, 2002                  | Cisco IOS 12.2(14)S    | January 30, 2003        |

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|---------------------------------|-------------------------------|--------------------------------------------------------------|---------------------------------|------------------------|-------------------------|
| username sshkey                 | Cisco / Nataraj Bacthu        | Source Code (security_tree.cmd.ann)                          | April 29, 2005                  | NX-OS 4.1(2)           | December 18, 2008       |
| vlan internal allocation policy | Cisco / Weng Hong Chan        | Email (CSI-CLI-00608704)                                     | June 26, 2002                   | Cisco IOS 12.2(14)SX   | April 14, 2003          |
| vrf definition                  | Cisco / Luc Revardel          | Email (CSI-CLI-00608723-24)                                  | August 31, 2004                 | Cisco IOS 12.2(33)SRB  | February 28, 2007       |
| vrf forwarding                  | Cisco / Luc Revardel          | Email (CSI-CLI-00608723-24)                                  | August 31, 2004                 | Cisco IOS 12.2(33)SRB  | February 28, 2007       |
| vrrp authentication             | Cisco / Graham Critchfield    | ENG-67758 v1 (CSI-CLI-00609406-428)                          | June 9, 2000                    | Cisco IOS 12.0(18)ST   | June 4, 2001            |
| vrrp delay reload               | Cisco / Dougal Stanton        | Bug ID CSCsg26622 (CSI-CLI-01339810-925, CS-CLI-01339853-54) | July 8, 2009                    | Cisco IOS XE 2.6       | February 26, 2010       |
| vrrp description                | Cisco / Graham Critchfield    | BugID CSCuk24882 (CSI -CLI-01339834, CSI -CLI-01339858)      | June 4, 2001                    | Cisco IOS 12.0(18)ST   | June 4, 2001            |
| vrrp ip                         | Cisco / Graham Critchfield    | ENG-67758 v1 (CSI-CLI-00609406-428)                          | June 9, 2000                    | Cisco IOS 12.0(18)ST   | June 4, 2001            |
| vrrp ip secondary               | Cisco / Graham Critchfield    | ENG-67758 v1 (CSI-CLI-00609406-428)                          | June 9, 2000                    | Cisco IOS 12.0(18)ST   | June 4, 2001            |
| vrrp preempt                    | Cisco / Graham Critchfield    | ENG-67758 v1 (CSI-CLI-00609406-428)                          | June 9, 2000                    | Cisco IOS 12.0(18)ST   | June 4, 2001            |
| vrrp priority                   | Cisco / Graham Critchfield    | ENG-67758 v1 (CSI-CLI-00609406-428)                          | June 9, 2000                    | Cisco IOS 12.0(18)ST   | June 4, 2001            |
| vrrp shutdown                   | Cisco / Colin Docherty        | Source code (cfg_int_vrrp.h.ann), BugID CSCeb28118           | March 5, 2004                   | Cisco IOS 12.3(11)T    | September 20, 2004      |

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|---------------------------|--------------------------------------|-------------------------------------|----------------------------------------|-------------------------------|--------------------------------|
| vrrp timers advertise     | Cisco / Graham Critchfield           | ENG-67758 v1 (CSI-CLI-00609406-428) | June 9, 2000                           | Cisco IOS 12.0(18)ST          | June 4, 2001                   |
| vrrp track                | Cisco / Graham Critchfield           | ENG-67758 v1 (CSI-CLI-00609406-428) | June 9, 2000                           | Cisco IOS 12.3(2)T            | July 28, 2003                  |